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1957
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1957 - 1958



CARLISLE, PENNSYLVANIA

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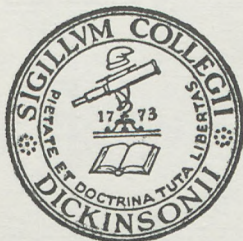
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April, 1957

VOL. L — No. 4

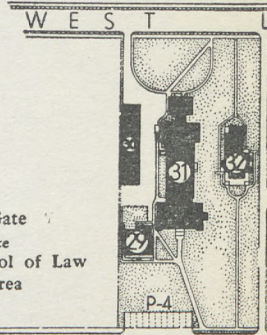
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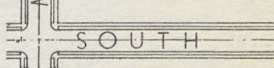


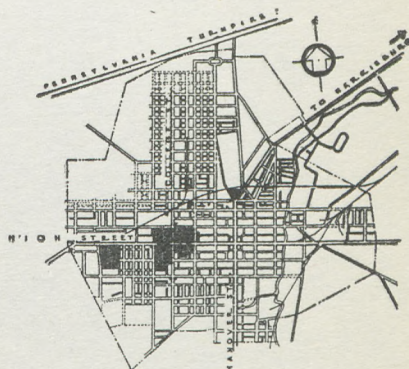
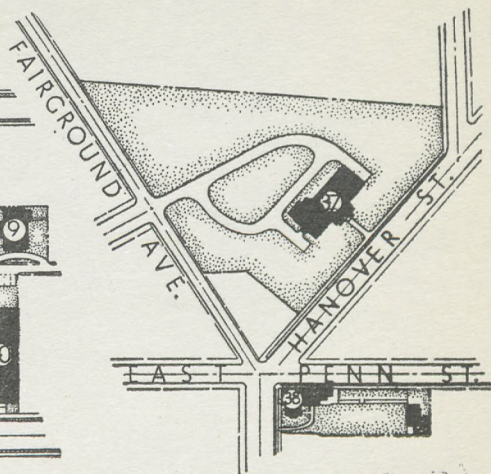
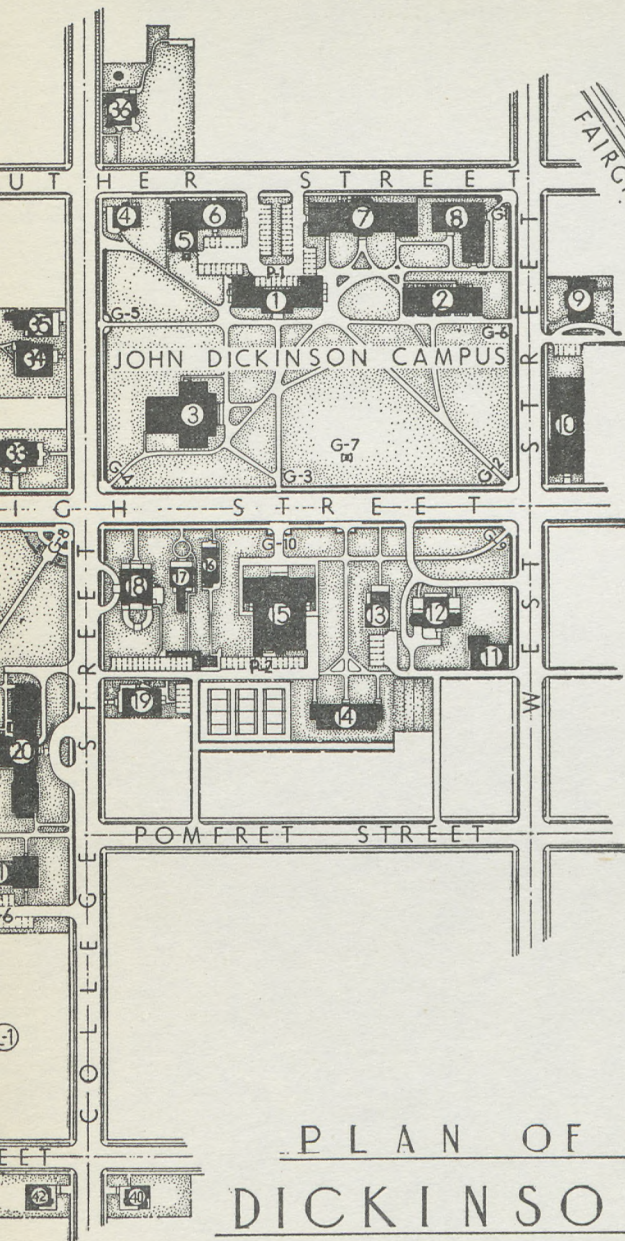
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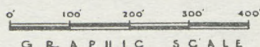
-
- LEWIS STREET
- BIDDLE AVENUE SOUTH
- THE HERMAN BIDDLE ATHLETIC FIELD
- BIDDLE AVENUE EAST
- WILSON STREET
- BENJAMIN R. BIDDLE CAMPUS
- ORELAND AVENUE

- | | | |
|----------------------------------|--|--|
| 1. West College (Administration) | 17. Theta Chi |  |
| 2. East College (Dormitory) | 18. Alpha Chi Rho | |
| 3. Bosler Library | 19. Sigma Chi | |
| 4. Psychology Building | 20. Drayer Hall (Dormitory) | |
| 5. Heating Plant | 21. Building (Future) | |
| 6. Science Building (Future) | 22. Activities Bldg.—Auditorium (Future) | |
| 7. Jacob Tome Scientific Bldg. | 23. Church and Chapel | |
| 8. Science Building (Future) | 24. Morgan Hall (Dormitory) | |
| 9. Phi Delta Theta | 25. Beta Theta Pi | |
| 10. Denny Hall (Classrooms) | 26. Equipment House | |
| 11. Classroom Building | 27. West Stands | |
| 12. The President's House | 28. East Stands | |
| 13. Phi Kappa Psi | 29. Health Center | |
| 14. South College (Classrooms) | 30. Maintenance Building | |
| 15. Alumni Gymnasium | 31. Conway Hall (Dormitory) | 33. Biddle House (Dormitory) |
| 16. The Dean's House | 32. Montgomery Hall (Faculty) | 34. Phi Kappa Sigma |
| | | 35. Phi Epsilon Pi |
| | | 36. Kappa Sigma |
| | | 37. Metzger Hall (Dormitory) |
| | | 38. Gibbs House (Dormitory) |
| | | 39. Storage Building |
| | | 40. McIntire House (Dormitory) |
| | | 41. Baird Biology Bldg.
(Located on site of 22) |
| | | 42. Sigma Alpha Epsilon |



MAP OF CARLISLE
GRAPHIC SCALE

PLAN OF THE CAMPUS
DICKINSON COLLEGE
CARLISLE — PENNSYLVANIA



15 FEBRUARY 1955

College Calendar

1957-1958

- FALL SEMESTER OPENS Monday, September 16, 1957
- REGISTRATION Monday, September 16, 1957 at 9:30 A.M.
- CLASSES BEGIN Thursday, September 19, 1957 at 8:30 A.M.
- COLLEGE CONVOCATION Thursday, September 19, 1957 at 11:30 A.M.
- MATRICULATION SERVICE Sunday, September 22, 1957 at 10:30 A.M.
- THANKSGIVING RECESS Wednesday, November 27, 1957 at 12:30 P.M.
to Monday, December 2, 1957 at 8:30 A. M.
- CHRISTMAS RECESS Wednesday, December 18, 1957 at 12:30 P.M.
to Monday, January 6, 1958 at 8:30 A.M.
- CLASSES CLOSE Saturday, January 18, 1958 at 12:30 P.M.
- EXAMINATIONS BEGIN Monday, January 20, 1958
- EXAMINATIONS CLOSE Thursday, January 30, 1958
- FALL SEMESTER ENDS Saturday, February 1, 1958
- SPRING SEMESTER OPENS Monday, February 3, 1958 at 8:30 A.M.
- SPRING RECESS Wednesday, April 2, 1958 at 12:30 P.M.
to Thursday, April 10, 1958 at 8:30 A.M.
- FOUNDER'S DAY Thursday, May 1, 1958
- CLASSES CLOSE Saturday, May 17, 1958 at 12:30 P.M.
- FINAL EXAMINATIONS BEGIN Monday, May 19, 1958
- EXAMINATIONS CLOSE Wednesday, May 28, 1958
- COMMENCEMENT Sunday, June 1, 1958
- FALL SEMESTER OPENS Monday, September 15, 1958

Accreditation and Memberships

Dickinson, a college of arts and sciences, is accorded the highest recognition granted by accrediting agencies. Its curriculum and physical plant are accredited by:

THE MIDDLE STATES ASSOCIATION OF COLLEGES
AND SECONDARY SCHOOLS

THE UNIVERSITY SENATE OF THE METHODIST CHURCH

THE PENNSYLVANIA DEPARTMENT OF PUBLIC INSTRUCTION

THE UNIVERSITY OF THE STATE OF NEW YORK

THE AMERICAN CHEMICAL SOCIETY

The College is a member of leading educational organizations including:

THE AMERICAN COUNCIL ON EDUCATION

THE ASSOCIATION OF AMERICAN COLLEGES

THE PENNSYLVANIA ASSOCIATION OF COLLEGES AND UNIVERSITIES

THE COLLEGE ENTRANCE EXAMINATION BOARD

THE NATIONAL COMMISSION ON ACCREDITING

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George Shuman, Jr., Ph.B.	<i>Ex Officio</i>

First Elected

Term Expires 1957

1950	Revelle W. Brown LL.D.	Philadelphia
1952	Carl C. Chambers, Sc.D.	Media
1953	Joel Claster, D.C.S.	Philadelphia
1933	Sumner M. Drayer	Baltimore, Md.
1932	Charles C. Duke	Baltimore, Md.
1953	James Q. duPont, E.E.	Wilmington, Del.
1953	William F. Hufstader, L.H.D.	Detroit, Mich.
1949	Paul L. Hutchison, A.M., LL.B.	Camp Hill (Alumni Trustee)
1946	Frank E. Masland, Jr.	Carlisle
1930	S. Walter Stauffer, Ph.B.	York
1948	Robert A. Waidner, A.B., LL.B.	Baltimore, Md.

Term Expires 1958

- 1954 Whitfield J. Bell, Jr., A.B., A.M., Ph.D. Philadelphia
(Alumni Trustee)
- 1930 Merkel Landis, A.M., LL.B. Carlisle
- 1954 W. Gibbs McKenney, Ph.B., LL.B. Baltimore, Md.
- 1944 Roy W. Mohler, M.D., Sc.D. Philadelphia
- 1953 G. Bromley Oxnam, S.T.D., LL.D. Washington, D.C.
- 1917 Robert F. Rich, Ph.B. Woolrich
- 1943 Karl E. Richards, Ph.B. Harrisburg
- 1946 William C. Sampson, A.M., Sc.D. Drexel Hill
- 1908 Boyd Lee Spahr, A.M., LL.D., D.C.L. Philadelphia
- 1917 Ruby R. Vale, A.M., D.C.L., LL.D. Philadelphia
- 1948 Samuel W. Witwer, Jr., A.B., LL.D. Riverside, Ill.

*First Elected**Term Expires 1959*

- 1948 Merle W. Allen Carlisle
- 1951 John C. Arnold, LL.D. Clearfield
- 1917 G. Harold Baker, M.A. Aberdeen, Md.
- 1943 James T. Buckley, D. Eng. Philadelphia
- 1955 Herbert M. Gould, LL.B., D.B.A. Detroit, Mich.
- 1915 Lloyd Wellington Johnson, Ph.B., Sc.D. Caldwell, N. J.
- 1951 J. Watson Pedlow, B.S., Ph.D. Chester
(Alumni Trustee)
- 1923 Andrew H. Phelps, D.C.S. Mt. Lebanon
- 1950 Glenn E. Todd, Ph.B. Carlisle
- 1952 Robert E. Woodside, LL.D. Millersburg

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9

Term Expires 1960

- 1950 C. Scott Althouse, Sc.D. Reading
1944 Fred P. Corson, D.D., LL.D., J.U.D. Philadelphia
1945 William L. Eshelman, Ph.B. Mohnton
1954 Mary Sharp Foucht Chicago, Ill.
1954 Lewis F. Gayner, A.B., M.B.A. Salem, N. J.
1954 F. LaMont Henninger, A.M., B.D., Th.D. Harrisburg
1937 George H. Ketterer, A.B., A.M., D.D. Warriors Mark
1952 John M. Klepser, A.M., LL.B. Hollidaysburg
(Alumni Trustee)
1945 Sidney D. Kline, A.M., LL.B., LL.D. Reading
1953 Henry Logan, A.M., LL.B. Brooklyn, N. Y.
1950 David M. Wallace, A.M., LL.B. Harrisburg

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- 1925 Dean Hoffman, A.B. St. Petersburg, Fla.
1919 James G. Steese, A.M., Sc.D. Washington, D. C.

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Donald H. Goodyear	<i>Alumnus</i>
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Richard L. Graham	<i>Undergraduate</i>
David B. Eavenson	<i>Secretary</i>

Faculty

1956-1957

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The President of the College, Lemuel T. Appold Foundation

A.B., Dickinson College, 1915; A.M., 1919; D.D., 1935; S.T.B., Boston University School of Theology, 1921; L.H.D., Keuka College, 1944; D.D., Hobart College, 1944; LL.D., Gettysburg College, 1949; LL.D., University of Pennsylvania, 1949; D. Hu., Boston University, 1950; J.U.D., Lebanon Valley College, 1956

GILBERT MALCOLM

Vice President

Ph.B., Dickinson College, 1915; A.M., 1917; LL.B., Dickinson School of Law, 1917; LL.D., Western Maryland College, 1948

FREDERIC WILLIAM NESS

Academic Vice President and Dean of the College, Professor of English, Chairman of the Department of English

A.B., Dickinson College, 1933; M.A., University of Cincinnati, 1935; Ph.D., Yale University, 1940

GEORGE SHUMAN, JR.

Financial Vice President and Treasurer

Ph.B., Dickinson College, 1937

ALBERT WALKER

Assistant to the President, Assistant Professor of Journalism, Director of Adult Education

B.A., Baker University, 1942; M.S., Northwestern University, 1950

PROFESSORS EMERITI

RUSSELL IRVIN THOMPSON

Dean Emeritus, Richard V. C. Watkins Professor Emeritus of Education and Psychology

A.B., Dickinson College, 1920; Ph.D., Yale University, 1932

FORREST EUGENE CRAVER

Professor Emeritus of Physical Education

A.B., Dickinson College, 1899; A.M., 1901; Sc.D., 1947

LEWIS GUY ROHRBAUGH

Thomas Bowman Professor Emeritus of Philosophy and Religion

A.B., Dickinson College, 1907; A.M., 1910; B.D., Drew Theological Seminary, 1910; Ph.D., State University of Iowa, 1922

MILTON WALKER EDDY

Professor Emeritus of Biology

B.S., Northwestern University, 1910; M.S., 1912; Ph. D., University of Pennsylvania, 1929

WELLINGTON AMOS PARLIN

Professor Emeritus of Physics

A.B., Simpson College, 1921; M.S., University of Iowa, 1922; Ph.D., Johns Hopkins University, 1929

JOSEPHINE BRUNYATE MEREDITH

Professor Emerita of English

A.B., Dickinson College, 1901; A.M., 1902; D. Lit., 1952

MAY MORRIS

Professor Emerita of Library Science

Ph.B., Dickinson College, 1909; Graduate, Pratt Institute School of Library Science, 1917

JAMES CLAIR McCULLOUGH

Richard V. C. Watkins Professor Emeritus of Education

Ph.B., Dickinson College, 1909; A.M., 1912; Ph.D., New York University, 1939

RICHARD HENRY McANDREWS

Associate Professor Emeritus of Physical Education

PROFESSORS

HERBERT WING, JR.

Robert Coleman Professor of History; Chairman of the Department of History

A.B., Harvard College, 1909; A.M., University of Wisconsin, 1911; Ph.D., 1915

ERNEST ALBERT VUILLEUMIER

C. Scott Althouse Professor of Chemistry; Chairman of the Department of Chemistry; Secretary of the Faculty

B.S., in Chemistry, University of Pennsylvania, 1914; Ph.D., University of Berne, Switzerland, 1918

JOHN CRAWFORD MILTON GRIMM

Professor of Romance Languages; Chairman of the Department of Modern Languages and Literatures; Marshal of the College

B.A., Ohio State University, 1911; M.A., 1912; Ph.D., University of Pennsylvania, 1916

HORACE ELTON ROGERS

Alfred Victor duPont Professor of Analytical Chemistry

B.S., Dickinson College, 1924; M.S., Lafayette College, 1925; Ph.D., Princeton University, 1920

FRANK AYRES, JR.

Susan Powers Hoffman Professor of Mathematics; Chairman of the Department of Mathematics

B.S., Washington College, 1921; M.S., University of Chicago, 1927; Ph.D., 1938

WILLIAM DRUM GOULD

George Henry and Bertha Curry Ketterer Professor of Philosophy and Religion; Chairman of the Department of Philosophy and Religion

A.B., Wesleyan University, 1919; B.D., Garrett Biblical Institute, 1922; Ph.D., Boston University, 1929

*WILLIAM LONSDALE TAYLER

Robert Blaine Weaver Professor of Political Science; Chairman of the Department of Political Science, Assistant Marshal

B.A., University of Texas, 1927; M.A., American University, 1928; M.A., Columbia University, 1929; Ph.D., 1935

CHARLES DAVID KEPNER

Professor of Sociology; Chairman of the Department of Sociology

B.A., Williams College, 1916; A.M., Harvard University, 1917; S.T.B., Andover Theological Seminary, 1922; Ph.D., Columbia University, 1936

*Leave of Absence Spring Semester 1956-1957, as Visiting Professor of Political Science, University College of Rhodesia and Nyasaland.

ELMER CHARLES HERBER

Professor of Biology; Chairman of the Department of Biology

A.B., Ursinus College, 1925; A.M., University of Pennsylvania, 1929; Sc.D., Johns Hopkins University, 1941

MARY BUCKLEY TAINTOR

Professor of Romance Languages

A.B., Ripon College, 1911; A.M., Leland Stanford Jr. University, 1918

FRIEDRICH SANDELS

Professor of German; Acting Chairman of the Department of Classics

Ph.D., University of Giessen, Germany, 1912

WILLIAM SLOANE

Martha Porter Sellers Professor of English

A.B., Hamilton College, 1932; M.A., Columbia University, 1933; Ph.D., 1947

FREDERIC WILLIAM NESS (Academic Vice President and Dean)

LIONEL DENIS PETERKIN

Professor of Humanities

B.A., Durham University, England, 1911; M.A., 1920

GEORGE WINFRED EASON

Professor of Military Science and Tactics, Commanding Officer, Reserve Officers Training Corps Unit

B.S., Virginia Polytechnic Institute, 1938; Lt. Colonel, Infantry, USAR

RALPH SCHECTER

Professor of English; Director of Music

A.B., University of Illinois, 1916

BENJAMIN DAVID JAMES

Dean of Admission and Dean of the Freshman Class; Richard V.C. Watkins Professor of Education and Psychology; Chairman of the Department of Education and Psychology

A.B., Dickinson College, 1934; M.A., Bucknell University, 1936

CHARLES COLEMAN SELLERS

Librarian with Rank of Professor; Curator of Dickinsoniana; Historian of the College

B.A., Haverford College, 1925., M.A., Harvard University, 1926

EDGAR MOORE FINCK

Professor of Education

Litt.B., Princeton University, 1910., M.A., 1912; Ph.D., New York University, 1930

KENNETH L. ANDREW

Professor of Physics; Chairman of the Department of Physics

A.B., Friends University, 1940; M.A., Johns Hopkins University, 1942; Ph.D., Purdue University, 1951

WILLIAM HALLER, JR.

Professor of Economics; Chairman of the Department of Economics

A.B., Amherst College, 1936; M.A., Columbia University, 1938; Ph.D., 1949

ARTHUR MAX PRINZ

Professor of Economics

Ph.D., University of Berlin, 1923

JAMES STUART PRENTICE

Visiting Professor of Economics

B.A., Queen's University, Canada, 1920; M.A., 1927

STOYAN GAVRILOVIC

Visiting Professor of Political Science

Diploma, Faculty of Law, University of Belgrade, 1923; D. Juris, International Law, Private and Public, University of Geneva, 1931

ASSOCIATE PROFESSORS

HAROLD WILDIE WEIGEL

Associate Professor of German

A.B., Dickinson College, 1930; M.A., Pennsylvania State College, 1931; Ph.D., 1940

AMOS BENJAMIN HORLACHER

Dean of Men with Rank of Associate Professor

A.B., Wesleyan University, 1926; S.T.B., Union Theological Seminary, 1929; D.D., Wesleyan University, 1943; M.A., Columbia University, 1952; Ed.D., 1957

ROGER EASTMAN NELSON

Associate Professor of Mathematics; Assistant Marshal

B.S., United States Naval Academy, 1922; M.A., Dartmouth College, 1946

JOHN CHRISTIAN PFLAUM

Associate Professor of History

B.S. University of Pennsylvania 1925; M.A. 1929

MILTON EMBICK FLOWER

Associate Professor of Fine Arts

A.B., Dickinson College, 1931; A.M., Columbia University, 1938;
Ph.D. 1946

DONALD TURNER GRAFFAM

Associate Professor of Psychology

A.B., University of Redlands, 1926; A.M., University of Southern California, 1933; Ed.D., 1949

*CHARLES FLINT KELLOGG

Associate Professor of History

A.B., Bard College of Columbia University, 1931; M.A., Harvard University, 1933

FRANCIS WAYLAND WARLOW

Associate Professor of English, Assistant Marshal

A.B., Johns Hopkins University, 1931; M.A., University of Pennsylvania, 1946

WILLIAM ROBERT BOWDEN

Associate Professor of English, Assistant Marshal

A.B., Haverford College, 1935; A.M., Duke University, 1937;
Ph.D., Yale University, 1948

CAROLINE HEATH KENNEDY

Associate Professor of Modern Languages

A.B., Birmingham-Southern College, 1926; M.A., Alabama University, 1930; Docteur D'Universite, Universite Laval, 1942

WILLIAM WRIGHT KIRK

Associate Professor of Modern Languages

A.B., University of Delaware, 1930; M.A., Middlebury French School, 1935; Ph.D., University of Illinois, 1955

JULIEN A. RIPLEY, JR.

Associate Professor of Physics

B.A., Yale University, 1930; M.A., Harvard University, 1932; Ph.D., University of Virginia, 1933

GEORGE WILLIAM ZIEGLER, JR.

Associate Professor of Chemistry

B.S., Monmouth College, 1939; Ph.D., Ohio State University, 1950

DAVID IVAN GLEIM

Associate Professor of Chemistry, Mace Bearer

B.S., Franklin and Marshall College, 1918; M.A., Columbia University, 1920

MILDRED HERRICK

Visiting Librarian

A.B., Michigan State Normal College, 1925; A.B. in L.S., University of Michigan, 1929; A.M. in L.S., 1943

IRVING YAUERBAUM

Lecturer in Taxation and Accounting

B.C.S., New York University, 1928; C.P.A., Pennsylvania, 1933; New York, 1950

ASSISTANT PROFESSORS

ASA W. CLIMENHAGA

Registrar with Rank of Assistant Professor

A.B., Taylor University, 1919; M.A., Wittenberg College, 1940; Ed.D., Syracuse University, 1945

MARGARET McALPIN RAMOS

Assistant Professor of Modern Languages

A.B., Syracuse University, 1931; M.A., University of Tennessee, 1948

BERTRAM HYLTON DAVIS

Assistant Professor of English

A.B., Columbia University, 1941; A.M., 1948; Ph.D., 1956

WARREN JAMES GATES

Assistant Professor of History

A.B., Duke University, 1941; A.M., University of Pennsylvania, 1947; Ph.D., 1951

JED HARBOTTLE TAYLOR

Assistant Catalogue Librarian with Rank of Assistant Professor

B.S., Syracuse University, 1924; B.S. in L.S., Columbia University, 1931; M.A., Boston University, 1951

DONALD WILLIAM FLAHERTY

Assistant Professor of Political Science

A.B., Syracuse University, 1943; Ph.D., 1954

*IRVINE NOBLE SMITH

Assistant Professor of Drama and Speech

A.B., University of North Carolina, 1948; M.A., 1949

WINTHROP CECIL DIFFORD

Assistant Professor of Geology

B.S., Mt. Union College, 1943; M.S., West Virginia University, 1947; Ph.D., Syracuse University, 1954

HOWARD RUSSELL BURKLE

Assistant Professor of Philosophy and Religion

A.B., Central Missouri State College, 1945; B.D., Yale Divinity School, 1948; S.T.M., 1949; Ph.D., Yale University, 1954

CLIFTON ELVANS MAYFIELD

Assistant Professor of Psychology

B.S., Lafayette College, 1940; M.S., Purdue University, 1947

LUCY HOLT DONEY

Catalogue Librarian with Rank of Assistant Professor

B. S., University of Washington, 1922; M.L.S., Carnegie Institute of Technology, Library School, 1954

* Leave of Absence 1955-1957

HEBER REECE HARPER

Assistant Professor of Political Science, Resident of Morgan Hall

B.S., Haverford College, 1942; M.A., University of Michigan, 1948

RICHARD MAE SIA

Assistant Professor of Physics

B.S., Northwestern University, 1928; M.S., University of Chicago, 1932

FRANK MCCAUGHEY MOORE

Assistant Professor of Military Service and Tactics

Captain, Armor, USAR

LEE ANN BONNE WAGNER

Assistant Professor of Physical Education, Resident of Biddle House

B.S., Pennsylvania State College, 1948

HALLETT BARKER HAMMATT

Assistant Professor of Mathematics

A.B., University of California, 1924; M.A., Harvard University, 1928

GEORGE H. FROGEN

Assistant Professor of Classical Languages

B.A., University of Minnesota, 1931; M.A., 1944; Ph.D., 1955

WILLIAM HOWARD BENSON

Assistant Professor of Mathematics, Assistant to the Dean and the Registrar

B.S., U. S. Naval Academy, 1925; Graduate, U. S. Navy Post-graduate School, 1934

DAVID BALBACH EAVENSON

Assistant Professor of Physical Education, Chairman of the Department of Physical Education, Director of Athletics

B.S., Bucknell University, 1954

ARTHUR CONOVER FLANDREAU, JR.

Reference Librarian with Rank of Assistant Professor

A.B., Dickinson College, 1950; M.A., University of Chicago, 1954

BRINTON CARL PIEZ

Assistant Professor of Physical Education

B. S., Temple University, 1950; M.A., Ohio State University, 1951

ALBERT WALKER (Assistant to the President)

DANIEL JAMES McDONALD

Assistant Professor of Biology

B.S., Siena College, 1950; M.A., Columbia University, 1952; Ph.D., 1955

JOHN D. SCANDLING

Assistant Professor of Military Science and Tactics

B.S., U. S. Military Academy, 1950; Captain, Infantry, U. S. Army

INSTRUCTORS

ROBERT ALAN MCGILL

Instructor in English

A.B., Dickinson College, 1949; M.A., University of Pennsylvania, 1949

VICTORIA KATHRYN HANN

Dean of Women with Rank of Instructor

A.B., Dickinson College, 1950; M.A., Columbia University, 1951

ROBERT ARNOLD DENTLER

Instructor in Sociology

B.S., Northwestern University, 1949; M.A., 1950; M.A., American University, 1954

RAYMOND PITMAN STONE

Instructor in Political Science

B.S., University of Massachusetts, 1951; M.A., Princeton University, 1953

J. PATRICK PATTINSON

Instructor in English

B.A., Cambridge University, England, 1947; M.A., 1949

JOHN ANDERSON MAGUIRE

Instructor in Romance Languages

M.A., Catholic University, Washington, 1934; Ph.D., Johns Hopkins University, 1942

RAYMOND JAMES WELLS

Instructor in Philosophy and Religion

A.B., Seattle Pacific College, 1946; S.T.B., The Biblical Seminary in New York, 1949; S.T.M., 1950

RUTH CHRISTINE ROYER

Instructor in English

B.A., Western Maryland College, 1948; M.A., University of Pennsylvania, 1950

JOSEPH GORDON DUCHARME

Instructor in Physical Education

B.S. in Physical Education, Ithaca College, 1948; M.A. in Physical Education, New York University, 1951

PAUL ALAN LAWRENCE SMITH

Instructor in Political Science

B.S., University of Wisconsin, 1950; M.A., Princeton University, 1953

BETTIE YVONNE LIVERMORE

Instructor in Sociology

A.B., Ohio Wesleyan University, 1945; M.So.W., Carnegie Institute of Technology, 1951

DEWEY BRAY FOLDEN, JR.

Instructor in Biology

B.S., Morris Harvey College, 1947; A.B., 1948; M.S., West Virginia University, 1949

CHARLES EDWIN PETERSON, JR.

Instructor in Education, Assistant Dean of Admission

B.A., Lycoming College, 1950; M.A., Bucknell University, 1951

JOSEPH SHERLY SHEPPARD

Instructor in Fine Arts, Artist-in-Residence

Maryland Institute School of Art, 1948

STUART WEEMS BRUCHEY

Instructor in History

A.B., Johns Hopkins University, 1943; M.A., 1946; Ph.D., 1955

JAMES WILLIAM CARSON

Instructor in History

B.S. in Education, Miami University, 1949; M.A., 1951

ARTHUR EDWARD ARNOLD, II

Instructor in Modern Languages; Resident of East College

A.B., Dickinson College, 1950

WILLIAM McLENNAND

Instructor in Education and Psychology

B.S., University of Pittsburgh, 1941; M.A., University of Toledo, 1948

LLOYD ULTAN

Instructor in Music

B.S., New York University, 1951; M.A., Columbia University, 1952; Ph.D., State University of Iowa, 1956

DAVID FRANTZ BRUBAKER

Instructor in Drama

A.B., Franklin and Marshall College, 1948

ANDREW CRAIG HOUSTON

Instructor in Economics

A.B., Pennsylvania State University, 1951; Graduate, School for English Speaking Students, University of Stockholm, 1952

BARBARA BROWN McDONALD

Instructor in Biology

B.S., Simmons College, 1948; M.A., Columbia University, 1955

ASSISTANTS

HENRY CALVIN REMSBERG

Assistant in Music; Director of the Band

B.S., Dickinson College, 1938

JOHN EDWARD STREET

Assistant Instructor, Reserve Officer Training Corps Unit, Master Sergeant, U. S. Army

WILLIAM FRASER BAYNES

Assistant Instructor, Reserve Officer Training Corps Unit, Sergeant First Class, U. S. Army

JANE FARR MAYFIELD

Assistant in Psychology

A.B., Bucknell University, 1948; M.A., University of Pennsylvania, 1954

ANGELO JAMES CONTE

Assistant Instructor, Reserve Officer Training Corps Unit, Master Sergeant, U. S. Army

B.S., Pennsylvania State University, 1939; M.Ed., 1946

MIKE CHARLES REAGAN

Assistant Instructor, Reserve Officer Training Corps Unit, Master Sergeant, U. S. Army

MARY HAMILTON HAVENS

Assistant in Physical Education; Assistant House Director, Drayer Hall

B.A., Wilson College, 1956

THADDEUS F. KENT

Assistant Instructor, Reserve Officer Training Corps Unit, Master Sergeant, U. S. Army

LIAISON GROUP

CARLISLE AREA JOINT SCHOOL SYSTEM

DAVID L. SWARTZ, M.Ed., *Superintendent of Schools*

MARK N. BURKHART, M.Sc., *Principal, Carlisle Senior High School*

CHARLES E. LEHMAN, M.Sc., *Principal, Carlisle Junior High School*

* * *

CO-OPERATING TEACHERS IN STUDENT TEACHING

MARY FICKES, B.A.

JOHN MOUNTZ, B.A.

CHESTER LICKEL, M.Ed.

OELLA SCOTT, B.A.

MARGARET McADOO, B.A.

MORRIS SHERK, B.A.

HELEN H. MARTIN, B.A.

MARJORIE H. SUNDERLAND, B.S.

MARY L. MERKLE, B.S.

ANN WHITE, M.Ed.

OFFICERS OF ADMINISTRATION

WILLIAM W. EDEL, J.U.D.	<i>The President of the College</i>
GILBERT MALCOLM, LL.D.	<i>Vice President</i>
FREDERIC W. NESS, PH.D.	<i>Academic Vice President and Dean</i>
GEORGE SHUMAN, JR., PH.B. ..	<i>Financial Vice President and Treasurer</i>
ALBERT WALKER, M.S.	<i>Assistant to the President</i>
BENJAMIN D. JAMES, M.A.	<i>Dean of Admission, Dean of the Freshman Class</i>
AMOS B. HORLACHER, ED.D.	<i>Dean of Men</i>
VICTORIA K. HANN, M.A.	<i>Dean of Women</i>
ASA W. CLIMENHAGA, ED.D.	<i>Registrar</i>
WILLIAM H. BENSON, B.S.	<i>Assistant to the Registrar and Dean</i>
JOHN C. M. GRIMM, PH.D.	<i>Marshal</i>
DAVID I. GLEIM, M.A.	<i>Mace Bearer</i>
ROGER E. NELSON, M.A.	<i>Assistant Marshal</i>
WILLIAM R. BOWDEN, PH.D.	<i>Assistant Marshal</i>
FRANCIS W. WARLOW, M.A.	<i>Assistant Marshal</i>
W. LONSDALE TAYLER, PH.D.	<i>Assistant Marshal</i>
E. A. VUILLEUMIER, PH.D.	<i>Secretary of the Faculty</i>
CHARLES C. SELLERS, M.A.	<i>Librarian, Curator of Dickinsoniana, Historian</i>
LUCY HOLT DONEY, M.L.S.	<i>Catalogue Librarian</i>
JED H. TAYLOR, M.A.	<i>Assistant Cataloguer</i>
ARTHUR C. FLANDREAU, JR., M.A.	<i>Reference Librarian</i>
ALVA A. FRANCKLE	<i>Superintendent of Grounds and Buildings</i>
CARL J. ADAMS	<i>Assistant Treasurer</i>
GEORGE A. BOBLETZ	<i>Assistant Treasurer and Manager of Bookstore</i>
ROGER H. STECK, PH.B.	<i>News Services</i>
CHARLES E. PETERSON, JR., M.A.	<i>Assistant Dean of Admission</i>
DAVID B. EAVENSON, B.S.	<i>Director of Athletics</i>
JOSEPH E. GREEN, JR., M.D.	<i>College Physician for Men</i>
EDWARD S. KRONENBERG, JR., M.D.	<i>College Physician for Women</i>
ONETA M. FINK, R.N.	<i>Director of the Health Center</i>
HEBER R. HARPER, M.A.	<i>Resident, Morgan Hall</i>
ARTHUR E. ARNOLD, II, A.B.	<i>Resident, East College</i>
LEE ANN B. WAGNER, B.S.	<i>Resident, Biddle House</i>
EMMA L. GRUBB	<i>House Director, Metzger Hall</i>

ELSIE R. HAGERLING	<i>House Director, Gibbs House</i>
BERNETTA A. MILLER	<i>House Director, Drayer Hall</i>
KATHARINE C. LONGLAND	<i>House Director, McIntire House</i>
MARY H. HAVENS, B.A.	<i>Assistant House Director, Drayer Hall</i>
FLORENCE SWENSON	<i>Assistant to House Directors</i>
ELEANOR H. SMITH	<i>Assistant to House Directors</i>
PAULINE ROBINSON LAY	<i>Secretary to the President</i>
JEANNE L. HOCKLEY	<i>Secretary to the Vice President</i>
CAROLYN J. MARTIN, A.B.	<i>Secretary to the Financial Vice President and Treasurer</i>
LOIS BUTTORFF KERTLAND	<i>Assistant to the Treasurer</i>
MAE E. THORNTON	<i>Secretary to the Academic Vice President and Dean</i>
SARAH CATHERINE BELL, A.B. ..	<i>Secretary to the Dean of Admission</i>
ADA S. PERRY	<i>Secretary to the Dean of Men</i>
MARIE CRUSEY BAKER	<i>Secretary to the Dean of Women</i>
DORIS B. QUIGLEY	<i>Switchboard Operator</i>
MILDRED E. SWARTZ, B.S.	<i>Business Office Assistant</i>
KATHLEEN D. BANKERT	<i>Chief Clerk, Service Center</i>
ALVIRDA WISE	<i>Assistant, Service Center</i>
ROLANDIS W. LUDT	<i>Assistant, Service Center</i>
LORRAINE MULLEN	<i>Assistant, Service Center</i>
DORIS SHEAFFER SMITH	<i>Secretary to the Registrar</i>
ELIZABETH L. McCULLOUGH, A.B., LL.B. ..	<i>Secretary to the Registrar</i>
DOROTHY R. WEIGEL, B.S.	<i>Library Assistant</i>
NELL BARR	<i>Library Assistant</i>
ETHEL HEINE	<i>Secretary to the Librarian</i>
EVELYN A. COHICK	<i>Circulation Desk, Library</i>
JOYCE S. SMITH	<i>Clerical Staff, Library</i>
LOIS J. FORGACS	<i>Secretary in the Office of Admission</i>
MARY E. VAN MARTER	<i>General Secretary</i>
AUDREY L. GOTTSALL	<i>General Secretary</i>
JOAN M. MELL	<i>Secretary to the Assistant to the President</i>
JOAN E. PETERSON	<i>Secretary in Office of Admission</i>
DONNA MAE SHIRLEY	<i>Secretary, ROTC Officers</i>
CATHARINE C. FALLER	<i>Chief Clerk of the Bookstore</i>

COMMITTEES OF THE FACULTY

For 1957-1958

1. POLICY

President Edel, *Chairman*; Dean Ness, Professors Gould, Haller, Graf-fam, Ripley, Gleim, Mayfield and Eavenson, and Miss Royer

2. CURRICULUM

1957—Professors Herber, Graffam and Harper

1958—Dean Horlacher, *Chairman*; Professors Ripley and Prentice

1959—Professors Wing, James and Ramos

3. ACADEMIC STANDARDS

1957—Professor Kirk and Mr. Dentler

1958—Professors Wing and Gates

4. RELIGIOUS AFFAIRS

1957—Professor Kirk, *Chairman*; Professor Burkle, Mr. Norris

1958—Professor Eason and Mr. Wells

1959—Professor Rogers and Mr. McGill

5. CULTURAL AFFAIRS

1957—Professors Schechter and Sellers

1958—Professors Rogers and Finck

1959—Professor Flower, *Chairman*; Dr. Ultan

6. SOCIAL AFFAIRS

1957—Professor Nelson, *Chairman*; Professors Warlow and Ramos

1958—Professors Burkle and Wagner and Dr. Maguire

1959—Professors Kepner, Eavenson and Gates

The Deans of Men and of Women

7. PUBLIC EVENTS

1957—Professors Eason, Gould, Kennedy and Sia

1958—Professors Flandreau, Piez, Mr. Pattinson and Miss Royer

1959—Professors Benson and Walker, and Mr. Folden

The Marshal of the College, *Ex Officio, Chairman*; the Assistant Marshals and the Mace Bearer

8. LIBRARY

- 1957—Professors Weigel and Flaherty
1958—Professor Davis, *Chairman*; Professor Frogen
1959—Professors Ayers and Pflaum

9. EXCHANGE STUDENTS

- 1957—Professors Kennedy and Warlow
1958—Professor Flower, *Chairman*; Professor Sandels
1959—Professor Doney and Mr. Smith

10. SCHOLARSHIPS AND STUDENT AID

- 1957—Professor Bowden
1958—Professor Rogers
1959—Professor Schecter
The Dean of Admission, the Vice Presidents, the Academic Vice President, *Chairman*

11. ADMISSIONS

- 1957—Professor Taylor
1958—Professor Prinz
1959—Professor Grimm
The Dean of Admission, *Chairman*; the Assistant Dean of Admission, the Registrar and the Deans of Men and of Women

12. GRADUATE STUDY

- 1957—Professor Wing, *Chairman*, and Professor Herber
1958—Professors Weigel and Vuilleumier
1959—Professors Sloane and Prentice

SPECIAL STAFF AND CONCERTS

FEBRUARY 1, 1956 — JANUARY 25, 1957

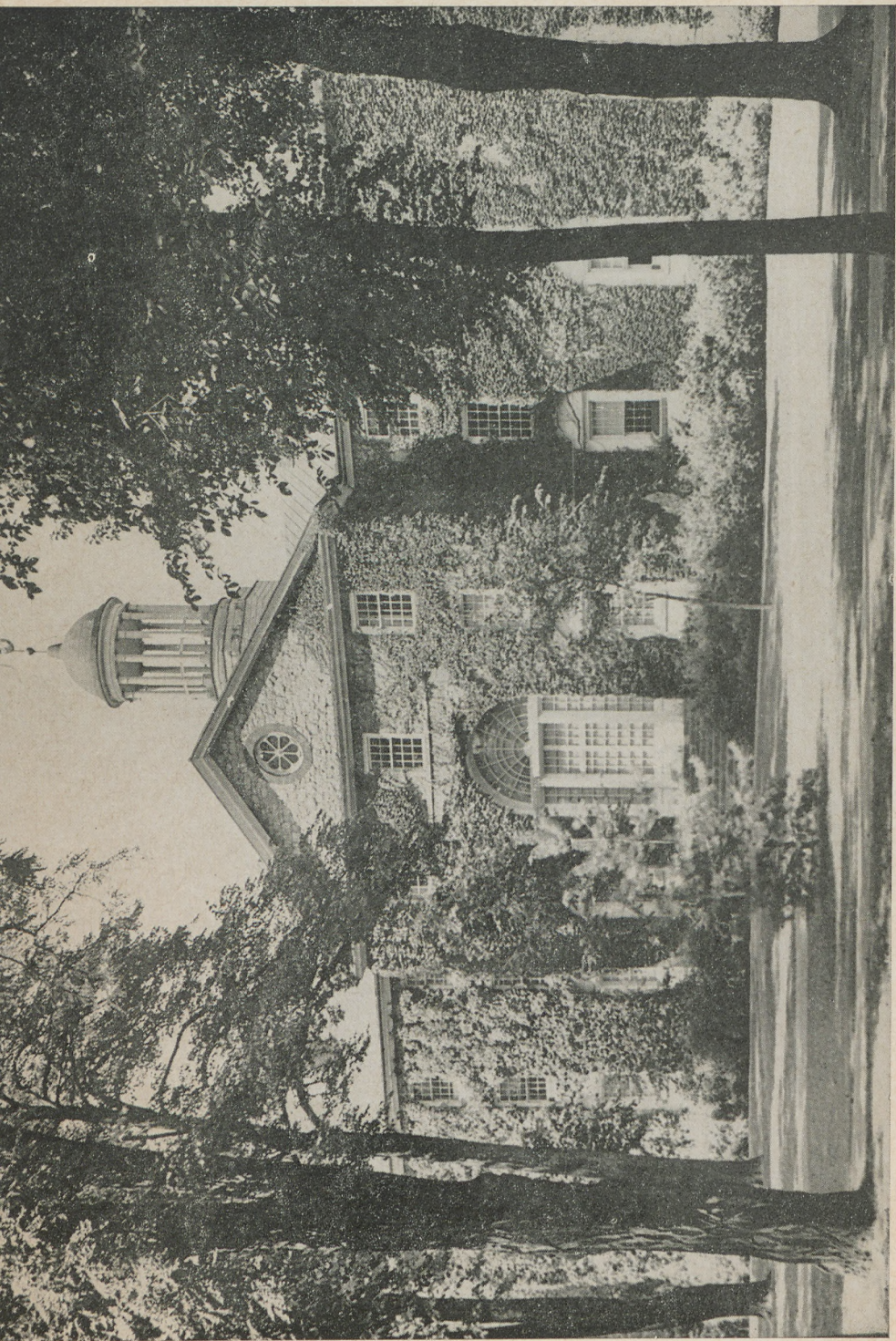
- MICHAEL DORIZAS, *University of Pennsylvania*
Chapel Address, February 2
- EDMUND A. STEIMLE, D.D., *Clergyman*
Representative Preachers Series, February 7
- REX S. CLEMENTS, PH.D., *Clergyman*
Representative Preachers Series, February 9
- W. BURG ANSTINE, *Lawyer* Chapel Address, February 21
- KARL WORTH BIGELOW, LL.D., *Columbia University*
Phi Beta Kappa Address, February 21
- ALPHEUS T. MASON, LITT.D., *Princeton University*
J. H. Morgan Lecture on Teaching, February 23
- THE AMERICAN CHAMBER ORCHESTRA February 24
- LLOYD C. WICKE, LL.D., *Bishop of the Methodist Church*,
Representative Preachers Series, March 6
- W. EARL LEDDEN, LL.D., *Bishop of the Methodist Church* .. March 8
- FREDERICK B. TOLLES, PH.D., *Swarthmore College*
Boyd Lee Spahr Lecture, March 9
- EDWARD G. LATCH, *Clergyman* .. Religion-in-life Week, March 13-16
- WILLIAM H. SHIDELER, *Miami University*
J. H. Morgan Lecture on Teaching, March 20
- MARAIS AND MIRANDA, *Folk singers* March 20
- IRA V. BROWN, PH.D., *Pennsylvania State University*
Priestley Day Address, March 22
- DETLEV W. BRONK, SC.D., *President, the Rockefeller Institute for Medical Research* Priestley Award, March 22
- JULIUS MARK, D.D., *Rabbi, Temple Emanuel, New York*
Representative Preachers Series, April 10
- BARON FREDI CHIAPPELLI,
Lecture on Contemporary Italian Literature, April 11

- MARGARET BOURKE-WHITE, *Photographer* Lecture, April 12
- CHARLES W. LOWRY, *Foundation for Religious Action*,
Representative Preachers Series, April 12
- LEON EDEL, PH.D., *N. Y. University* Lecture on Henry James, April 17
- ESTHER McDONALD LLOYD-JONES, PH.D., *Columbia University*
Mary Dickinson Day, April 19
- WILLIAM T. HASTINGS, *President, Phi Beta Kappa*
J. H. Morgan Lecture on Teaching, April 24
- MARIQUITA MOLL, *Metropolitan Soprano* April 26
- DAVID FRED WERTZ, LL.D., *President Lycoming College*,
Founders Day Address, May 1
- LEWIS D. GOTTSCHALL, L.H.D., *Rector of St. Peter's Episcopal Church*,
Oakland, California, Baccalureate Sermon June 3
- OTTO KRAUSHAAR, LL.D., *President of Goucher College*,
Commencement Address, June 3
- HALFORD E. LUCCOCK, LITT.D., *Yale Divinity School*
Representative Preachers Series, October 2
- CHARLES W. LOWRY, *Clergyman*
Representative Preachers Series, October 4
- COLIN JACKSON, *English Lecturer*, Chapel Address, October 9
- NORMAN COUSINS, *Editor of The Saturday Review* Lecture, October 12
- DAVID LEE LAWRENCE, *Mayor of Pittsburgh*,
Democratic Address, October 16
- THATCHER LONGSTRETH, *Candidate for Mayor of Philadelphia*
Republican Address, October 18
- WILLIAM B. DINSMOOR, ARCHAEOLOG.D., *Archaeologist*
Convocation Address, October 23
- SALOM RIZK, *Author*, "America at the Crossroads" Series, October 30
- ROSS HARRISON STOVER, LL.D., *Clergyman*
Representative Preachers Series, November 6

- LLOYD C. WICKE, L.L.D., *Bishop of the Methodist Church*,
Representative Preachers Series, November 8
- THE NATIONAL SYMPHONY ORCHESTRA November 9
- ROGER H. FIRESTONE, *Industrialist*
"America at the Crossroads" Series, November 20
- THOMAS L. THOMAS, *Baritone* November 27
- JAMES T. CLELAND, TH.D., *Dean of the Chapel, Duke University*
Representative Preachers Series, December 4
- DOUGLAS HORTON, LL.D., *Dean, Harvard Divinity School*
Representative Preachers Series, December 6
- KENNETH M. McDOWELL, *Labor Leader*
"America at the Crossroads" Series, December 11
- EDWIN GRISWOLD NOURSE, LL.D., *Economist*
Chapel Address, December 13
- SIDNEY HOOK, PH.D., *N. Y. University*
"America at the Crossroads" Series, January 3



HISTORIC BUILDINGS, IVY-COVERED, SET THE ARCHITECTURAL STYLE
OF THE CAMPUS



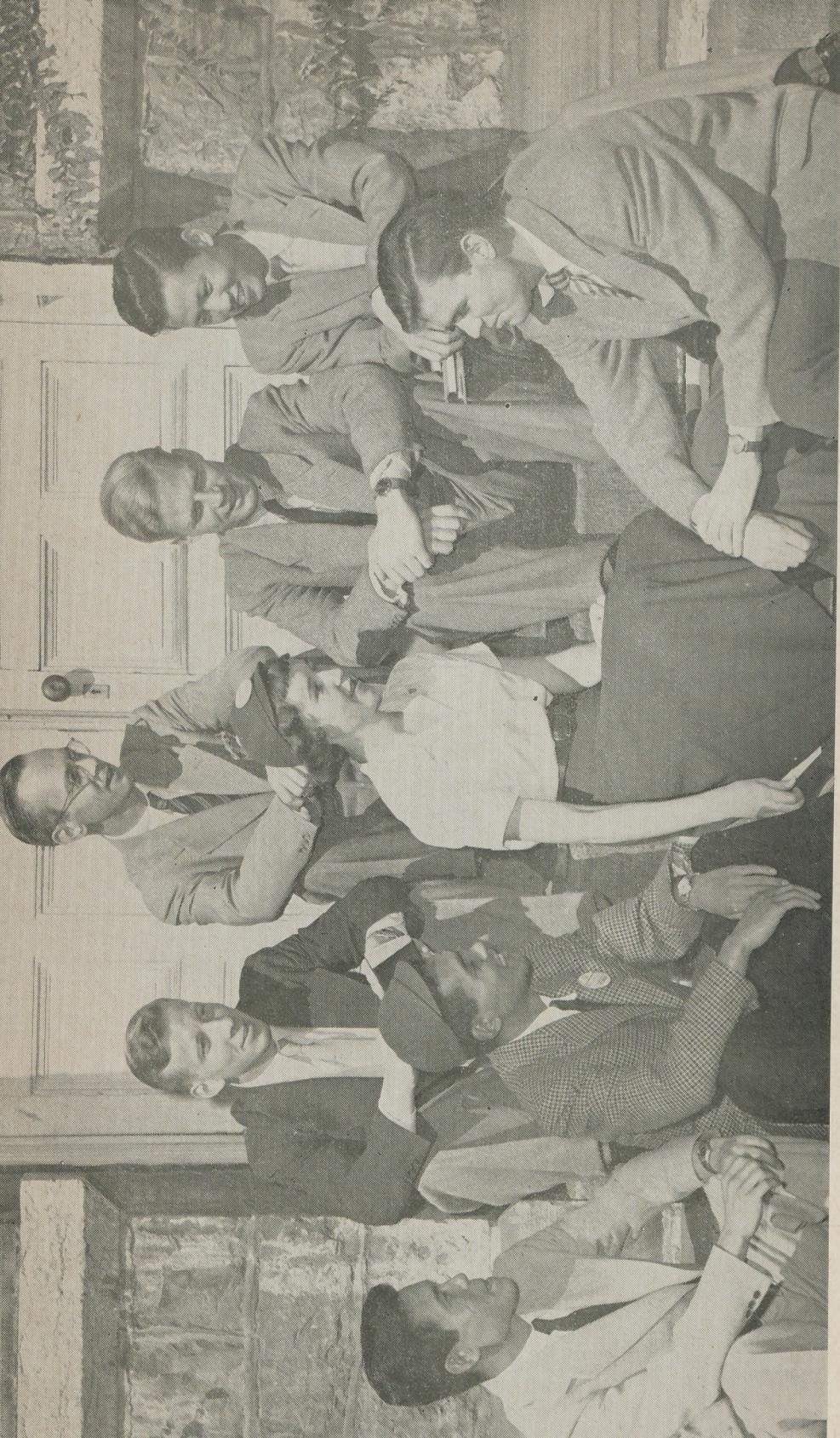
"OLD WEST", DESIGNED BY BENJAMIN LATROBE IN 1803, IS ONE OF
AMERICA'S EDUCATIONAL LANDMARKS



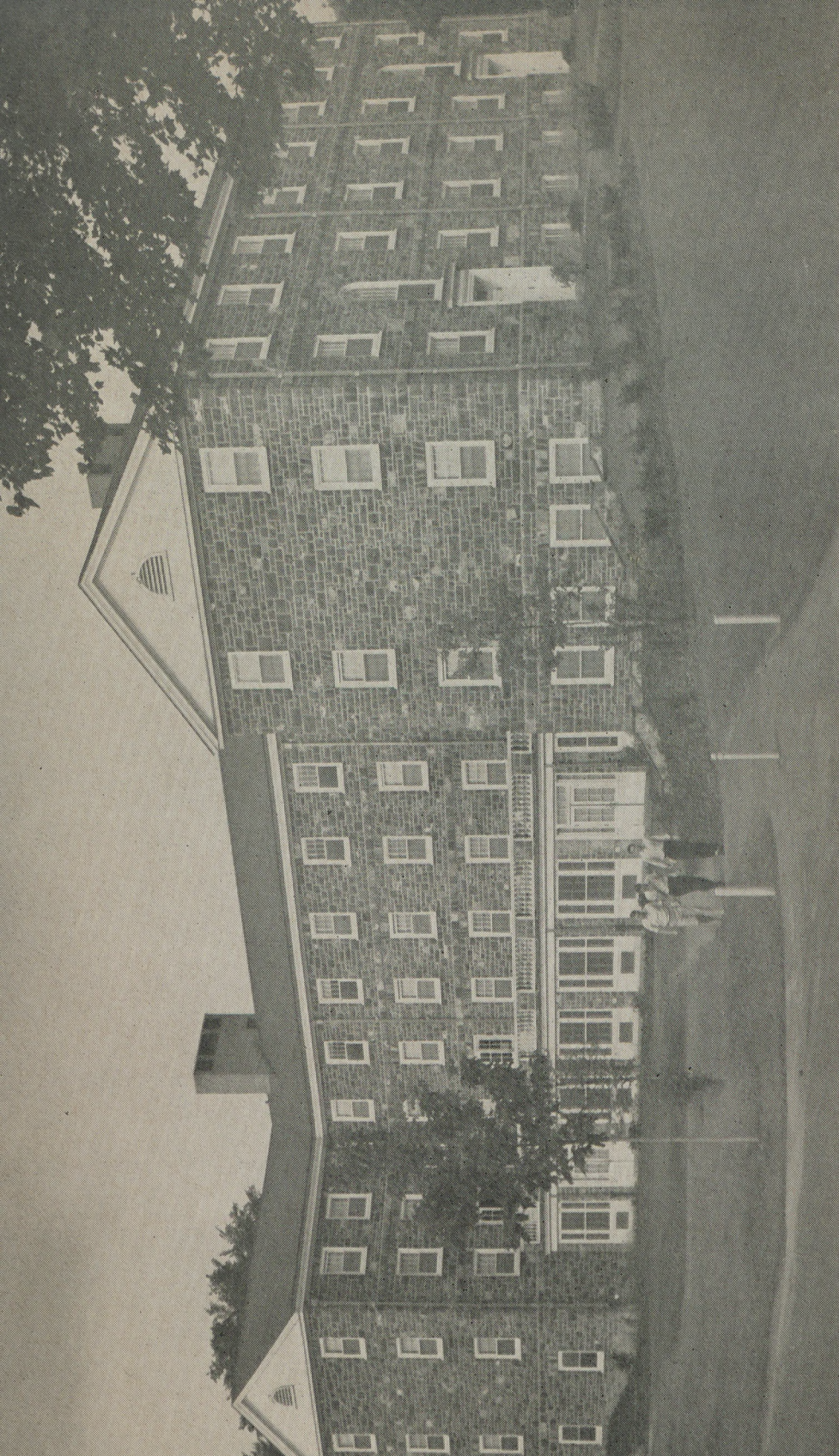
THE SCIENTIFIC BUILDING CARRIES THE NAME OF JACOB TOME



THE JAMES W. BOSLER LIBRARY AND CHAPEL



STUDENTS FROM MANY LANDS MEET ON THE DICKINSON CAMPUS



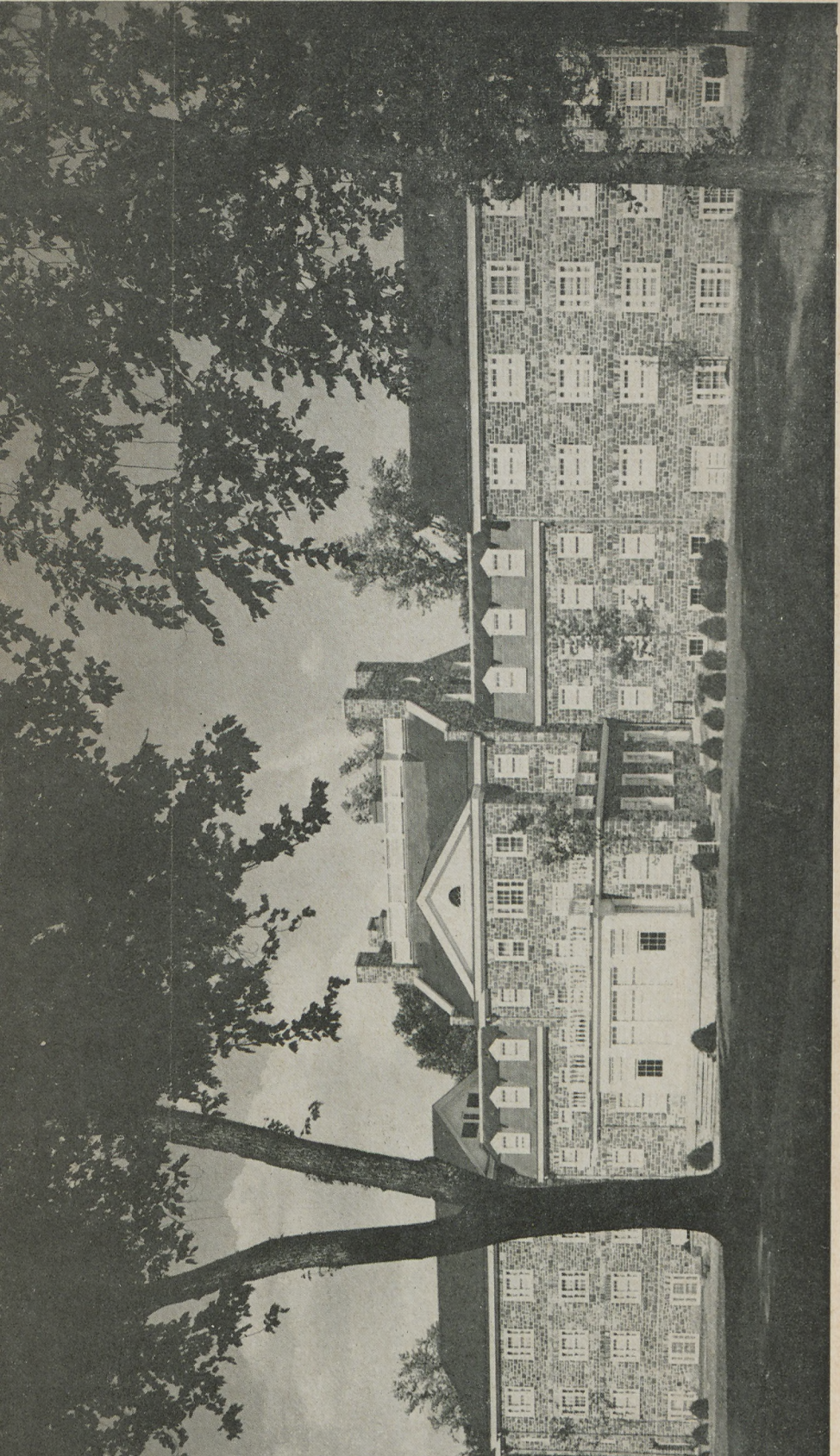
MORGAN HALL, NEW DORMITORY FOR MEN ON THE BENJAMIN RUSH CAMPUS



ONE OF THE DICKINSON MUSICAL ORGANIZATIONS IN CHAPEL CONCERT



THE HERMAN BOSLER BIDDLE MEMORIAL ATHLETIC FIELD



DRAYER HALL,
NEW RESIDENCE FOR WOMEN, STANDS ON THE BENJAMIN RUSH CAMPUS



THE ALUMNI GYMNASIUM WAS THE GIFT OF LOYAL DICKINSONIANS



UNDER THE CAMPUS ELMS GOES THE ACADEMIC PROCESSION IN CAP AND GOWN



DENNY HALL FURNISHES CLASSROOM SPACE

Dickinson College

1773-1957

THE COLLEGE PURPOSE

THE purpose of Dickinson College is to help the student develop his resources of mind and character, know the world in which he lives, and achieve a sense of Christian values, the better to make a good life, a good home, and a good community.

To accomplish this aim, the College affords every student training toward mastery of written and spoken English, insight into the processes and personalities of history, basic comprehension of the continuing problems of our age, understanding of himself as a free individual and his responsibilities to his fellows, acquaintance with the methods of science and the composition of the physical universe, development of ethical and spiritual standards in every activity of his life, appreciation and enjoyment of the arts, and achievement of emotional stability and physical well-being. At the same time, recognizing the need for specialized training within its general purpose, the College organizes its curriculum to afford basic preparation for graduate study.

Knowing that its purpose will be realized only when these objectives are translated into creative action, the College undertakes to excite its students to this design.

HISTORICAL TRADITIONS

On March 3, 1773, Thomas and John Penn, Proprietors of Pennsylvania, conveyed to nine trustees a plot of ground in Carlisle "for the purpose of keeping and maintaining a Grammar School." This school for instruction in classical languages began under Henry McKinley, and later came under the principalship of James Ross, a distinguished author of Latin and Greek grammars. The Grammar School continued in operation until it was absorbed by the College, which was incorporated by the Legislature of Pennsylvania on September 9, 1783. Seven of the nine Grammar School trustees became trustees of the College.

The prime mover in the effort to obtain a college charter was the distinguished Dr. Benjamin Rush of Philadelphia, a signer of the Declaration of Independence and one of the country's leading physicians. He had the College named for his friend, John Dickinson, Esq., "in memory

of the great and important services rendered to his country." Dickinson was the author of the famous "Letters from a Farmer in Pennsylvania to the Inhabitants of the British Colonies," one of the most potent documents in arousing patriotism in the Colonies. He was also a general in the Revolutionary War, principal draftsman of the Articles of Confederation, President of the Supreme Executive Council of Pennsylvania, President of Delaware, and later a signer of the Constitution of the United States. When the charter was granted, Dickinson was elected president of the Board of Trustees, an office he held until his death.

Dr. Charles Nisbet of Montrose, Scotland, a Scotch Presbyterian and one of the great scholars of his time, was the first President. From the beginning the new College prospered under the aggressive intellectual leadership of Dr. Nisbet. Twenty years from its inception the College had outgrown the confines of the Grammar School building. The site also was unsatisfactory and various efforts were made to obtain a better one, including that of the Carlisle Barracks which had been established by the British in 1751. The present main campus of the College, now named the John Dickinson Campus, was purchased from the Penn family in 1799 for \$151.50, and the construction of a large brick building was begun. This building was destroyed by fire in 1803 and in its place was erected the present West College, designed by Benjamin H. Latrobe, the architect of the Capitol at Washington. When the trustees appealed for subscriptions for the new building, the appeal met with wide response, President Thomas Jefferson, members of his cabinet, and Chief Justice John Marshall being among the contributors. It was constructed of native limestone and is regarded as one of the outstanding examples of Classical architecture in America.

The plant of the College, consisting of twenty buildings, is constructed chiefly of limestone, in Classical design. The John Dickinson Campus, on which six of the College buildings are located, is framed by a low limestone wall, most of which was erected in 1833. This adds to the distinctive charm of the landscape. The other buildings are grouped around this campus and on the Benjamin Rush Campus, a twelve-acre tract diagonally across from the older campus. The old Moore mansion was renovated and built into the Baird Biological Building, named after Spencer Fullerton Baird of the Class of 1840, professor of the College and afterwards Secretary of the Smithsonian Institution. The grounds, buildings, and equipment of the College are conservatively appraised in excess of \$5,700,000, and its invested endowment and other capital funds are approximately \$4,500,000, market value.

The College is pervaded with memories that revert to the distant past. On the corner where Denny Hall now stands, Washington reviewed the troops, who in 1794 set out to quell the Whiskey Rebellion. The two literary societies, Belles Lettres and Union Philosophical, each over a century and a half old, count among their members former students including a President of the United States and Supreme Court Justices. Of these, James Buchanan, Class of 1809, as President of the United

States, 1857-61, and Roger Brooke Taney, Class of 1795, as Chief Justice of the Supreme Court of the United States, 1836-64, headed their respective branches of government in the period of crisis preceding the Civil War. During the Civil War the Confederates occupied Carlisle and camped in front of Old West, the northern-most point reached by Confederate troops during the war. Among the Confederate troops were former Dickinson students at whose request Old West was put under protective guard. Two days later in the shelling of Carlisle, East College and old South College were damaged by shell fire. Following the Battle of Gettysburg, College buildings were used as hospitals for wounded men from that battlefield.

The College is widely recognized for its preparation for graduate work in the professions, and about fifty per cent of its graduates continue their education in graduate schools.

THE LIBERAL ARTS TRADITION

When the Charter of Dickinson College was adopted on September 9, 1783, the "Representatives of the Freemen of the Commonwealth of Pennsylvania in General Assembly met" stated that the purpose of the erection and establishment of Dickinson College was "for the education of youth in the learned and foreign languages, the useful arts, sciences and literature," and declared that nations have acquired their preeminence largely by the success with which they were able to instill into the minds of the rising generation "virtuous principle and liberal knowledge."

Dickinson College bases its educational goals upon these ideals. The intervening one hundred and seventy-four years, with their enriching knowledge of science and the arts and the demonstrated need for a spiritual background, have extended the college vision. While placing proper value upon the formal studies it offers, Dickinson desires equally to develop each student into a well-rounded personality. A carefully selected faculty, a Christian philosophy, and broad social and cultural interests are coordinated to achieve these ends. Formal and informal training on the Dickinson Campus are thus directed toward creating men and women graduates of sound intellectual attainment, with integrity of character, a mature religious understanding, and a sense of social responsibility.

Only when these ends are attained can Dickinson College be satisfied that its traditions in the field of education and in the service of the nation are truly realized. These, then, are the goals which this institution cherishes for its ideal as a long established liberal arts college.

THE COLLEGE MACE

The Great Mace of Dickinson College is used on formal occasions as a symbol of the corporate authority of the College. The Mace is handsomely carved of cherry wood, forty-two inches tall. The head of the Mace bears the profile portraits of John Dickinson, Benjamin Rush and Charles Nisbet, the first President of the College, together with the College seal and many historic symbols. Surmounting the head of the Mace is a bronze mermaid designed after the weathervane over West College. The staff of the Mace is ornamented by two bosses and finial acorn, all of which are made from wood of the black locust tree under which George Washington stood when he reviewed his troops in 1794. The bosses are embellished with other College symbols and the acorn bears the name of the sculptor who carved the Mace and the name of the donor. In a spiral around the staff of the Mace appear the names and dates of all the Presidents of the College since 1773, beginning with Henry McKinley, of the Classical Grammar School to which the College traces its foundation.

THE JOSEPH PRIESTLEY CELEBRATION

Each year in the Spring, a special commemoration is held known as the Joseph Priestley Celebration, at which time the Dickinson College Award in memory of Joseph Priestley, the discoverer of oxygen, is given to a distinguished scientist for his discoveries or contributions to the welfare of mankind. The award is in the form of the Priestley Medallion, a ceramic medallion struck from the original moulds made in 1775 by the first Josiah Wedgwood after a pen sketch of Priestley drawn from life by John Flaxman in the same year. The award is accompanied by a draft for one thousand dollars, which is the gift of the National Cylinder Gas Company. Since its establishment in 1952 the Award has been presented to the following persons:

- 1952—Sir Hugh Stott Taylor, Dean of the Graduate School of Princeton University.
- 1953—Paul W. Burkholder, then Osborne Professor of Botany at Yale University, Discoverer of Chloromycetin.
- 1954—Karl T. Compton, chairman of the Corporation, Massachusetts Institute of Technology.
- 1955—Harold C. Urey, of the University of Chicago, Nobel prize-winner in Chemistry.
- 1956—Detlev W. Bronk, president of Rockefeller Institute for Medical Research.
- 1957—Edward Teller, General Advisory Committee, Atomic Energy Commission.

College Library

THE College Library, located in Bosler Hall, consists of the main reading room and stacks, a reference room, reserved book room, library offices, the Alexander A. Sharp recreational reading room, the Boyd Lee Spahr Room for the Dickinsoniana, and Rare Book Room, the American History Seminar Room, the Art Seminar Room, and the English Research Room. The Library has been designated as a government depository for official publications.

The Boyd Lee Spahr Room contains a constantly growing collection of manuscript and printed source material on the history of the College, and on state and national history, catalogued and used for research by faculty and advanced students. Its holdings number more than 30,000 manuscripts and about 4000 books and pamphlets, including some 1500 volumes given by John Dickinson in 1783. Dickinson, Rush, Nisbet and other founders are represented in the manuscript collection, as are the great alumni of later days, particularly President James Buchanan, Chief Justice Roger Brooke Taney and Andrew G. Curtin, Civil War governor of Pennsylvania.

In the Boyd Lee Spahr Room is also preserved the unique collection of Eighteenth Century scientific equipment purchased by the College from the heirs of Joseph Priestley in December, 1811. Its central feature is the great compound burning-glass used by Priestley in the experiments which led to his discovery of oxygen in 1774. That date and this instrument mark the foundation of modern chemical science. It is by far the most famous and most valuable relic in the possession of Dickinson College. Here also are Priestley's telescopes, his air gun, and a variety of smaller pieces of laboratory equipment.

The Rare Book Room contains a selection of about 1500 of the Library's most valuable holdings. Its greatest treasure is the John Drinkwater Collection, the recent gift of Roscoe O. Bonisteel. The result of many years of patient and scholarly collecting, this collection brings to the campus a reconstruction of the poet-playwright's life and work, in original manuscripts, letters and inscribed first editions.

The American History Seminar Room is equipped for study and classroom use with a reference and research collection of about 1750 volumes.

The Art Seminar Room contains an Art Library of approximately 1900 volumes. This room also houses nearly 2500 prints and photographs of architectural masterpieces and sculpture, and reproductions of paintings. Adjacent to the Art Seminar Room is a small gallery where special art exhibits are hung.

The English Research Room, equipped by the Class of 1900, is a special study room for English majors. It houses a book collection known as the Paul H. Doney Memorial.

Students have free access to the library collection, consisting of over 100,000 volumes. Over 400 periodicals are received regularly. The books are classified by the Dewey decimal system, and listed in a dictionary catalogue. Library of Congress cards are used. No limit is placed on the number of books a student may borrow.

The library is reinforced by rapidly growing microfilm and microcard collections, with the latest reading equipment and a special room provided for their use. There is also a collection of recordings of music, historic addresses, and other material available in this form.

The Dickinson Library Guild, composed of alumni and friends of Dickinson College, was organized in 1903 for the purpose of creating a permanent endowment for the College Library. In addition to the appropriation for the purchase of books and periodicals, the Library now receives an annual income of over \$4,800.00 from the Guild. In accordance with the action of the Board of Trustees of the College, all moneys contributed become a part of the permanent endowment fund of the Library, the proceeds of which are devoted to the sole purpose of purchasing books.

During Orientation Freshmen are introduced to the various departments and services available in the Library. In addition, in cooperation with the course, "Introduction to Social Science," Freshmen receive both an hour's lecture and individual practice in basic research methods and library use. Upper classmen are frequently brought to the Library for more specialized instruction in research and bibliography.

A Library Handbook has been prepared to aid students in using the Library. This is obtainable in the Library and is especially recommended to entering students. It contains a plan of the building, a short history of the Library with a description of the book collection, and information on services available to students.

The Library is open from 8:20 A.M. to 5:45 P.M., and 6:45 to 10:00 P.M., except on Saturday, when it is open from 8:20 A.M. to 5:00 P.M., and on Sunday, when the hours are 2:00 to 5:00 P.M., and 7:00 to 10:00 P.M.

Buildings and Equipment

ACADEMIC BUILDINGS

WEST COLLEGE (1803) of the Classical style of architecture, built of native limestone, is a four-story building containing administrative offices, class and assembly rooms, the Presidential portrait gallery, and the spacious Memorial Hall. On the lower floor are the McCauley room, the Durbin Oratory, conference rooms, the public relations office, and secretarial rooms. Administrative offices are on the first and second floors. The third floor is given over to classrooms and the Electronic Modern Language Laboratory.

JACOB TOME SCIENTIFIC BUILDING (1884), a gift of the late Hon. Jacob Tome, of Port Deposit, Md., is of native limestone, trimmed with Ohio sandstone. It contains complete provision for the college departments of physics and chemistry. It is also the repository for a valuable collection of mineralogical and geological specimens, used in geology courses. It also houses the electron microscope.

JAMES W. BOSLER LIBRARY, originally erected in 1885 in honor of James W. Bosler, Class of 1854, was rebuilt and enlarged in 1940-41 in native limestone of Classical architecture, accommodating the library with numerous reading and reference rooms and the Chapel.

PSYCHOLOGY BUILDING (1899), of limestone, houses the classrooms and laboratories of that department.

DENNY HALL (1905) contains recitation rooms, student publication offices, faculty offices, R.O.T.C. offices, and halls of the two historic literary societies which date back more than a hundred and fifty years.

ALUMNI GYMNASIUM (1929), of limestone, provides ample facilities for all indoor athletics and physical education. These include a white-tiled swimming pool 25x75 feet. The main auditorium seating 3000 is also used for commencement and alumni activities.

BAIRD BIOLOGICAL BUILDING (1937) is located on the Benjamin Rush Campus and is named in honor of Spencer Fullerton Baird, Class of 1840, professor, and former Secretary of the Smithsonian Institution. It is a three-story stuccoed stone structure housing the Department of Biology. It also contains a collection of South American birds originally owned by Professor Baird.

SOUTH COLLEGE (1948), of limestone, adjacent to the Alumni Gymnasium, is used as a recreation and classroom building. Squash courts are attached to South College.

THE C. SCOTT ALTHOUSE SCIENCE HALL (1957), of limestone, on the John Dickinson Campus, will be used as a Chemistry building with classrooms and laboratories. Now under construction.

RESIDENCE HALLS

EAST COLLEGE (1836), of the same materials and style of architecture as West College, is a four and a half story building, used as a residence for men and for faculty offices.

CONWAY HALL (1904) is a gift from the Hon. Andrew Carnegie, and is named as a tribute to his friend, Moncure D. Conway, Class of 1849. It is used as a residence for men.

METZGER HALL (1881), located three blocks east of the main campus, is the residence for freshmen women. It is a four-story brick structure.

GIBBS HOUSE, remodeled in 1937, the endowed gift of Rebecca McClure Gibbs, located diagonally across the street from Metzger Hall, is a three-story dwelling used as a residence for women.

BIDDLE HOUSE (1946), located on the edge of the main campus, is a three-story building used as a residence for women.

McINTIRE HOUSE (1948), located on the corner adjacent to the Benjamin Rush Campus, is a two and one-half story building used as a residence for women.

DRAYER HALL (1952), a modern fireproof, four-story limestone women's residence building located on the Benjamin Rush Campus was completed in April 1952, and houses 125 women students.

MONTGOMERY HALL (1953), east of Conway Hall, is a seven-apartment building which houses members of the Faculty and their families.

MORGAN HALL (1955), a modern, fireproof, four-story limestone building located on the Benjamin Rush campus, was completed in September, 1955, and houses freshmen men. Dining facilities for freshmen men are located here.

MATHEWS HOUSE (1957), located on the edge of the main campus, is a three-story brick building used as a residence for women.

OTHERS

THE PRESIDENT'S HOUSE, a stately brick mansion on the southeast corner of the Campus, was erected in 1833, and has been the residence of the President of the College since 1888.

THE HERMAN BOSLER BIDDLE MEMORIAL ATHLETIC FIELD, the gift of the Hon. Edward W. Biddle, Class of 1870, and Mrs. Biddle, in memory of their son, Herman Bosler Biddle, Class of 1903, is a field of 12 acres completely equipped.

HEALTH CENTER, located west of Conway Hall, is a completely equipped dispensary and infirmary.

THE MAINTENANCE BUILDING, west of Conway Hall, houses the carpentry, electrical, painting and plumbing workshops and a garage for the college automobiles and trucks.

JOHN DICKINSON CAMPUS. This campus of eight acres lies in the western part of the borough of Carlisle. It was purchased from the Penns by the Trustees in 1799. Prior to that time the site of the College was the old grammar school property in another location in Carlisle, where instruction was begun in 1773. Upon the John Dickinson Campus and adjacent to it are grouped most of the principal buildings of the College.

BENJAMIN RUSH CAMPUS. The College added to its property in 1923 by purchase, the Mooreland park of twelve acres lying just southwest of the main campus. This acquisition is now being developed by the construction of new buildings. On this campus, named the Benjamin Rush Campus in 1950, are located Drayer Hall, residence for women, Morgan Hall, residence for freshmen men, the Baird Biological Building and the Allison Methodist Church (now under construction) which will be the College Chapel for religious programs.

College Activities Program

PHI BETA KAPPA SOCIETY

ON April 13, 1887, the first chapter of the Phi Beta Kappa Society in Pennsylvania was organized at Dickinson College and named the Alpha of Pennsylvania. Seniors of high scholastic standing are eligible for membership and are usually elected upon completion of their college course. Certain of the highest ranking students, however, may be elected in February.

STUDENT GOVERNMENT

Students at Dickinson College govern wide areas of student life on the campus through representative student government. The Student Assembly, which consists of all students of the College, is the primary agency of this government and meets on call when required to act upon constitutional questions. The executive body of the Student Assembly is the Student Senate which carries on the day-to-day business of student government. As such it promotes the welfare of the student body by effecting a close union among students, and acts as an official liaison group between students and college authority. The Senate acts for the Assembly in scheduling and regulating all organized student activities. It controls the Student Activities Budget. Various standing committees operate for, and are directly responsible to, the Senate. Two student government agencies of major importance are the Student Social Committee and the Interfraternity Council. Both operate under the general oversight of the Student Senate with large freedom of action within their special fields of interest and concern.

STUDENT-FACULTY JUDICIAL COUNCIL

Matters of student discipline, except cases of failure to meet routine administrative directives or grave offenses involving moral integrity, are referred to the Student-Faculty Judicial Council, which is composed of four students and three members of the Faculty. When approved by the President and Dean of the College the findings of the Council are binding upon all students and organizations of students brought before it on charges. On appeal or review, the findings may be modified or set aside by the Faculty or by the President of the College.

WOMEN'S STUDENT GOVERNMENT

The House Presidents' Council is the overall student governing body for the women's residence halls. The Council consists of three council officers and the presidents of each of the women's residence halls. Meeting weekly with the Dean of Women, the Council acts on problems referred to it by the various house councils. The house council in each dormitory is responsible for the smooth operation of student government within the residence hall, takes care of minor infractions of house rules and works toward high morale and an informal social program within the residence.

PUBLICATIONS

THE DICKINSONIAN: the student newspaper, published weekly during the college year.

THE MICROCOSM: the college annual, sponsored by the Junior Class.

THE STUDENT'S HANDBOOK: published annually for the information of new students.

THE HORNBOK: published semi-annually, sponsored by the Belles Lettres Society.

THE DICKINSON ALUMNUS: published quarterly by the General Alumni Association.

THE DICKINSON COLLEGE BULLETIN: published twelve times a year by the College.

ORGANIZATIONS

RELIGIOUS ACTIVITIES. Dickinson College is committed to the Christian interpretation of life and duty. It, nonetheless, provides opportunities for students of all faiths to conserve and cultivate their religious heritage. One of the fundamental purposes of the College is to prepare students for active religious life in their homes and communities.

The over-all religious activities of the College are organized under the Dickinson College Interfaith Council, one of whose major projects during the academic year is the organization and carrying through of an annual Religion-in-Life Week. Other projects are carried out by constituent organizations of the Council, such as the Student Christian Association and the Alpha Omega Society—an organization for students interested in careers in the Christian ministry and other Christian activities. Among the services rendered by these organizations are weekly religious meetings, help projects of various kinds, and Christian Service programs in churches of Pennsylvania, New Jersey, Maryland, and Delaware.

THE CHOIR, directed by a member of the music faculty, sings both sacred and secular music at Chapel programs, public concerts, and on tours. One program during the year is given in combination with a nationally-known concert artist. Membership is open to all students.

THE ORCHESTRA, directed by a member of the music faculty, is a combined college-community organization. At least one public concert is given each year, plus performances at Chapels and other school functions. Membership is open to students, faculty and townspeople.

THE BAND is a marching and concert band which plays for football games, rallies, and other public functions. Its student officers and faculty director welcome all qualified instrumentalists.

LITERARY SOCIETIES. The Belles Lettres Society and the Union Philosophical Society, founded in 1786 and 1789 respectively, are the oldest

student activities on the campus and have contributed to the intellectual development of Dickinsonians for over a century and a half. The former is devoted to literary criticism, the latter to matters of political debate.

THE MERMAID PLAYERS present several full-length productions a year under professional direction, in addition to several seasonal programs. Opportunities exist for training and for practical experience in all phases of dramatic production, and membership is open to students, faculty members, and guests from the community. An annual feature is the presentation of the Gould Memorial Prizes in Drama.

THE DEBATE COUNCIL, under the guidance of a college-appointed director, participates in an extensive program of intercollegiate debating. All students are eligible for membership; those students with good scholastic averages are eligible to travel with the squad. Dual debates and tournaments are scheduled with other colleges throughout the East and South.

THE INTERNATIONAL RELATIONS CLUB, established in 1932 under the auspices of the Carnegie Endowment for International Peace, promotes the study of contemporary international affairs and world problems. In its monthly meetings, reports are presented by students, faculty members, or guest speakers, and these are followed by an informal discussion. The Dickinson I.R.C. is a member of the Association of International Relations Clubs, sponsored by the Foreign Policy Association.

THE MOHLER SCIENTIFIC SOCIETY, through monthly meetings which are open to all students, fosters an interest in scientific subjects. Its programs are particularly stimulating to science majors and pre-professional students.

THE FRENCH CLUB chooses as its members students who have shown unusual interest and proficiency in the French language. Its meetings are devoted to discussions of the literature, customs, and history of France.

THE FUTURE TEACHERS OF AMERICA, BENJAMIN RUSH CHAPTER, offers all students considering teaching as a vocation an opportunity to hear distinguished educators and to participate in practical discussions of the teaching profession.

THE ASSOCIATION OF THE UNITED STATES ARMY ROTC COMPANY is open to all junior and senior ROTC students. Through its monthly meeting with Army guest speakers and field trips to Army installations an exchange of ideas and information is gained to bring about a better understanding of the proper role of the Army of the United States.

THE PERSHING RIFLES is open to all freshman and sophomore students. Through its weekly drill meets it encourages, preserves and develops the highest ideals of the military profession.

THE "D" CLUB, composed of students who have won a varsity letter, recognizes athletic ability, encourages sportsmanship, and generally seeks to further the total athletic program of the College.

THE DICKINSON FOLLIES produces each spring an original musical comedy, written and directed by the students with the assistance of the college instructor in drama.

THE MEN'S GLEE CLUB, a student-directed organization specializing in college songs, presents fall and spring concerts on the campus, sings at various meetings and alumni gatherings, and makes guest appearances off the campus.

THE AQUATIC CLUB gives its members an opportunity to swim and also to organize and participate in water pageantry.

FRATERNITIES. Ten national fraternities have chapters at Dickinson—Phi Kappa Sigma, Phi Kappa Psi, Sigma Chi, Beta Theta Pi, Phi Delta Theta, Sigma Alpha Epsilon, Kappa Sigma, Alpha Chi Rho, Phi Epsilon Pi and Theta Chi. The Commons Club is a local club for men students.

SORORITIES. Four national sororities are represented on the campus—Pi Beta Phi, Chi Omega, Phi Mu and Zeta Tau Alpha. The Independent Women's Organization represents non-sorority college women.

SUI GENERIS, a social organization open to all non-sorority women, includes social events, competition in intramural athletics and social service projects in its program of activities.

THE INDEPENDENT MEN. Men who choose not to affiliate with any fraternity or the Commons Club meet together periodically. They elect a senator to student government. Membership is open to all non-affiliated resident and non-resident male students.

Students who have met the prescribed academic requirements may join a fraternity or sorority. Students who have met these conditions may be pledged at the beginning of the Spring semester.

HONORARIES. In addition to Phi Beta Kappa, there are five national honorary fraternities and three local honorary societies at Dickinson:

TAU KAPPA ALPHA, a national honorary fraternity for forensic and scholastic attainments;

OMICRON DELTA KAPPA, a national fraternity for men students who have achieved distinction in campus leadership and maintained good scholastic averages;

PI DELTA EPSILON, a national fraternity recognizing outstanding service in the field of journalism;

DELTA PHI ALPHA, a national fraternity honoring students in German studies;

ALPHA PSI OMEGA, a national honorary fraternity recognizing outstanding dramatic activity;

RAVENS CLAW, a senior honorary society for men;

SKULL AND KEY, a junior honorary society for men;

WHEEL AND CHAIN, a senior honorary society for women.

Admission

The usual requirement for entrance to Dickinson College is the satisfactory completion of a secondary school program of at least fifteen units, including three units of English, two units of one foreign language, and one unit each of algebra and plane geometry. Of the remaining eight units, seven shall be from academic courses.

In considering applicants for admission to the college, all of the following factors are important:

1. Personal application and school record on forms supplied by the college. (NOTE: Applicants for the classes entering Dickinson in 1958 and succeeding years are required to include with their final formal application a fee of \$10. This application fee is not refundable.)
2. Recommendation of the secondary school principal or headmaster, and of others who know the applicant.
3. Personal interview with the Dean of Admission or an appointed representative.
4. The tests of the College Entrance Examination Board. The Scholastic Aptitude Test is required of all applicants. Those who desire an early decision on their application are encouraged to take this examination in December or January of their senior year. It is strongly suggested that applicants take the Achievement Tests in English; in a foreign language if the applicant wishes to continue a language begun in secondary school; and in mathematics if the applicant wishes to elect that subject in college.

Applications and schedules for these examinations may be obtained by writing to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey.

Unusual cases involving divergence from these requirements will be considered on an individual basis by the Committee on Admissions.

INTERVIEW HOURS—ADMISSION OFFICE

The Admission Office is open on weekdays from 9:00 a.m. until 11:30 noon and 1:30 p.m. until 4:00 p.m., and on Saturdays from 9:00 a.m. until 12:00 noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays.

Charges and Expenses

The Tuition for each semester at the college is \$375. All students are required to pay a Registration Fee of \$50 which is credited on the college bill. This fee is not returnable if the student cancels his or her registration.

NOTE—The Semester Tuition Fee is \$375, a total of \$750 for the academic year of two semesters. However, the cost *to the College* of providing this tuition is \$970 per student per year, leaving \$220 per student which must be made up each year from gifts by alumni or friends or from income on endowment (which is composed of gifts made in former years). Those parents who wish to assist the College in meeting this “additional cost of education over tuition” figure may make a gift to the College of \$220, which gift will be tax deductible.

College bills for each semester are presented and are payable at the opening of the semester.

Failure to adjust college bills when due will result in exclusion from College, and no student can have honorable dismissal or certificate of advancement until bills have been adjusted and other reasonable obligations met.

The Trustees reserve the right at any time to amend or add to the regulations of the College, including those concerning fees and methods of payment, and to make such changes applicable to students at present in the College, as well as to new students.

DISCOUNTS—For two or more students from the same family, and for children of ministers, a discount of 10 per cent is allowed on the Tuition account, but not on any other part of the College bill. No double discount is allowed.

ROOMS—Dormitory rooms are secured to the students during term-time only, and occupants are responsible for damage to them. When students damaging property are unknown, the cost of repairs may be assessed toward the close of the College year upon the whole body of students, as a special damage account. Any student proved to be guilty of wilful destruction of, or damage to, College property, may be required to pay not only the cost of replacement or repair, but also a fine as determined by the Faculty, said fine to be placed to the credit of the special damage account.

All freshmen men other than day students are required to room in the College dormitory for freshmen. Male members of the other classes who are not day students must room either in the College dormitories or in the fraternity houses.

DICKINSON COLLEGE

EXPENSES

Tuition—Each Semester	\$375.00
Budget for student organizations for various student activities, including cultural affairs, athletics and medical fees. Per Semester	25.00
Transcript of Record, extra copies each	1.00
Practice Teaching in High School	35.00
Graduation Fee for seniors, including use of cap and gown	10.00
Damage Replacement Account. (This will be returned in whole or in part depending upon the amount of damage)	10.00
Special Students, per semester hour	30.00
Late changing of courses (dropping one and adding another)	5.00
but not to exceed	15.00
Changing of schedule	15.00
Late writing of schedule	15.00
Administrative charges for Law elections, per hour	17.50

APPLICATION FEE

Beginning in 1958 Dickinson will require a non-refundable service charge of \$10 from all candidates for admission. This fee defrays in part the expense of investigating records, of advising applicants and other services provided by the Office of Admission. It is not returnable and is not credited on any subsequent bill.

Checks should be made payable to Dickinson College

FOR MEN RESIDENT IN COLLEGE

Room Rent (each semester):

- Morgan Hall—\$110.00 per student for double room;
\$125.00 for single room.
- Conway Hall—\$90.00 per student for double room;
\$100.00 for single room.
- East College—\$75.00 per student for double room;
\$85.00 for single room.

Rooms are furnished with the basic pieces of furniture, and there is a study light outlet for each student, in addition to a ceiling light. Personal items such as laundry, books, blankets, sheets, pillow cases, towels and personal toilet articles are furnished by the individual student.

FOR WOMEN IN DORMITORIES

All women students, except those living with relatives, are required to reside in College dormitories, and are charged \$1450.00 for two semesters (subject to change), payable \$725.00 each semester. This provides for basic essentials, such as Tuition, Room and Board. Personal items such as laundry, books, blankets, sheets, pillow cases, towels, personal toilet articles, and fees are not included in this account.

Returning women students must pay a Registration fee of \$50 prior to room selection for the ensuing year.

BOARD

All resident women students are required to board at the College dining halls. The residents of Metzger and Gibbs board at the dining hall at Metzger Hall. The residents of Drayer Hall, Biddle House and McIntire House board at Drayer dining Hall. Mathews House residents board at Morgan Hall.

All freshman men are required to board at the College dining hall, Morgan Hall. Boarding arrangements include dining room service on a semester basis. The charges for the semester are \$204.00.

The College also reserves the right to make a proportionate increase in board charges in the event that there shall occur a general increase in food costs.

A Snack Bar is operated in South College where students may purchase breakfast, lunch and dinner at nominal prices.

HOW MUCH DOES IT COST TO GO TO DICKINSON COLLEGE?

Just how much it will cost for a year at Dickinson College depends on the individual student. The general answer is, "Usually from \$1,600 to \$1,700 minimum for a year of two semesters." The amount spent above these figures will depend on the expenditures the student feels he must make over and above the minimum costs.

The table of estimated expenses appearing below will give an idea of the minimum costs. The table does not include, of course, what may be spent for clothing, entertainment, or other optional incidental items.

ESTIMATE OF NECESSARY EXPENSES OF THE
AVERAGE STUDENT

	<i>Men</i>	<i>Women</i>
Tuition	\$750	\$750
Student Budget	50	50
Damage Replacement Account	10	10
Books and Supplies	85	85
Room Rent	220
Board—College Dining Room	410
Room and Board—required	700
Total—Men	\$1,525	
Total—Women		\$1,595

Registration Fee of \$50 is a credit on the first semester account.

Fraternity costs range from \$75 to \$100 additional expense.

PART-TIME STUDENTS

Full-time students are those carrying 12 to 17 hours of instruction per week. Part-time students are those carrying fewer than 12 hours of instruction per week.

Auditors' fees are the same as those listed for credit courses. Full-time students are not required to pay audit fees.

PLAN OF PAYMENTS

All charges and fees for the semester are due at Registration. In a few special cases where a satisfactory plan is presented to the Treasurer of the College, a student is permitted to register under a deferred payment agreement. This agreement will allow a student to register upon making a down payment, a plan for monthly amounts, and final payments before final semester examinations. A service fee of \$2.00 per semester is charged for accounts under these deferred payment agreements. Accounts of one semester must be settled in full before Registration in the succeeding semester will be permitted. Students who fail to meet the deferred payment dates may be suspended from classes until proper arrangements have been made for completion of their payments.

WITHDRAWAL FROM COLLEGE

A student in good standing is entitled to honorable withdrawal at all times. The date on which the Dean of the College approves the student's withdrawal form is the official date of withdrawal. A student desiring to withdraw voluntarily from the College must obtain from the Registrar an Application for Withdrawal. This form must be properly filled in and returned to the Registrar before the student leaves the campus. Otherwise, he will forfeit his right to honorable withdrawal until he may have been reinstated in good standing by faculty vote. No refunds will be made by the Business Office until the Registrar's Office certifies that the withdrawal procedure has been properly completed.

Every college has many expenses of a continuing nature, such as plant maintenance and faculty salaries. In order to plan and maintain these services over the entire year, it is essential that the annual income from fees be assured. It is understood, therefore, that students are entered for the entire college year.

If a student called away during the semester by an emergency finds it impossible to resume his work, he must notify the Registrar's Office of his voluntary withdrawal immediately. Unless the notice is filed with the Registrar within three weeks, the student will forfeit his right to honorable withdrawal.

Special consideration is given men called into military service involuntarily whereby fractional credit may be given for work carried at a passing level.

If the withdrawal occurs before the end of the semester, the student is obligated for tuition charges as follows:

Two weeks or less.....	20 per cent
Between two and three weeks	40 per cent
Between three and four weeks	60 per cent
Between four and five weeks	80 per cent
Over five weeks	100 per cent

No Refunds Will Be Allowed on Room Rentals and Fees, but unused board at \$5.00 per week may be refunded.

SUMMER SESSIONS: Scholarships and discounts are not applied to accounts in summer session charges. If withdrawal occurs before the end of the summer session, the student is obligated for tuition charges as follows:

One week or less	40 per cent
Two weeks or less	80 per cent
Between two and three weeks	100 per cent

No reduction will be allowed for absence of students withdrawn for unsatisfactory conduct or scholarship.

Agents are not permitted to solicit students on the campus or in the dormitories without first securing permission from the Treasurer's Office.

LOSSES

Dickinson College will not be responsible for losses from fire or theft that may occur in the dormitories.

General Information

REGISTRATION—The last date to register for classes is ten days after the opening of the College Term.

CHAPEL—Chapel and assembly services are held twice a week, and all students are required to attend a specified number of such services. In addition, voluntary mid-day devotions are held daily in the Durbin Oratory in West College.

GUIDANCE—The student is the center of the College's educational program. Counseling begins with the pre-registration interview with the Dean of Admission. Each entering freshman is assigned to a Faculty Adviser who will assist him in adjusting to college life, in academic planning, and in meeting such other problems as may arise in his first two years. To help in attaining a better understanding of his abilities, the freshman is given achievement, personality, vocational aptitude, and other psychological tests early in the school year, the results of which are discussed with the adviser. A corps of highly selected upperclassmen serve voluntarily as Student Counselors in the residence halls. When the student is accepted as a departmental major, which occurs ordinarily at the close of his second year, the chairman of the department becomes his academic adviser. Completing the formal advisory staff, which is headed by the Dean of the College, are a number of specialists, including the Deans of Men and Women, the General Counselor, the Director of Testing, the Religious Adviser, and advisers in such pre-professional interests as medicine, law and engineering. This formal advisory system, however, does not replace the individual faculty member, who daily performs a wide variety of informal counseling made possible by the limited enrollment of the College. The whole guidance program is thus designed to help the individual to effective adjustment and successful accomplishment.

GOVERNMENT AND DISCIPLINE—Students are expected to conform to the requirements of good morals and good citizenship. In the absence of specific regulations, the Faculty is charged with passing on matters respecting the general life of the students in the College. In practice, however, the regulation of the life of the student body is left largely to the students themselves. Among the regulations of the College is the following: "In particular, any use of intoxicating liquor on College property or in the fraternity houses, failure to give truthful testimony

to an officer of the College, and dishonesty in College work are considered very serious offenses, and may lead to dismissal."

The College reserves to itself the right to remove from its rolls at any time a student who proves unsatisfactory, or to require a student to withdraw if it is felt that the student is out of sympathy with the spirit and ideals of the College, even though he may not have broken any formal rules.

It is understood that the foregoing conditions are accepted by the parents and guardians of Dickinson College students.

SELF-HELP EMPLOYMENT—Self-help through employment in various departments of the College is available to needy students, application for which should be made to the office of the Treasurer. As it is assumed that the acceptance of such employment is to assist the student in meeting his College bills, any amounts so earned are subject to application to the student's account as long as he has any unpaid balance.

PLACEMENT—The interest of the College in its students does not terminate with graduation. The Dean of Men is the placement officer of the College and arranges for student interviews on and off the campus with the personnel officers of many large business and industrial organizations. In addition the Dean of Men and the Dean of Women offer vocational counseling and guidance to students who request this service. Vocational guidance materials and company information is kept up to date in the office of the Dean of Men and in a special section of the library.

The placement of teachers in secondary schools is coordinated through the office of the Dean of Men and the Department of Education and Psychology.

HEALTH SERVICE—A modern Health Center is designed to provide for emergency illness and accidents to all full-time students. A dispensary and waiting room are located on the first floor. The second and third floors contain wards and private rooms for patients. A registered nurse lives at the Health Center and is in charge.

For emergency and minor illnesses, an infirmary for resident women is provided in Metzger Hall and in Drayer Hall, as well as first-aid equipment in the Department of Physical Education.

The medical staff of the College consists of a physician for men, a physician for women, and a registered nurse. The service of the physicians is available to all students under regulations fixed by the College. The College provides these health services, but does not assume legal responsibility for the health of its students. For special treatment and serious illness, the Carlisle Hospital is available. Students who do not wish to use the health benefits of the College may make other arrangements on their own responsibility.

ACCIDENTS—Arrangements have been made by the College with the Insurance Company of North America to provide accident insurance policies at low rates. Such policies are \$8 for men and \$4 for women yearly. All students are required to avail themselves of this offer, since the College can assume no liability for expenses connected with accidents. In case a student requests a release from this regulation because he already has insurance or his parents do not desire it, a statement from his parents concerning this is necessary.

Programs of Study

As a liberal arts college, Dickinson provides its students with a broad general program of study. This plan gives assurance that each student becomes familiar with the major areas of human knowledge and gains the background for realization of the aims set forth in the College purpose. After these foundations are laid he is encouraged, particularly in the upper levels of college work, to seek a deeper understanding of a particular field through specialized study.

Special attention is given to students preparing for graduate work on the university level, law, medicine or dentistry, the ministry, and teaching. Plans of study have been carefully worked out to meet graduate or certification requirements for these fields. Excellent background courses are also offered for government, business, social service, journalism, medical technology, and similar careers. Each year a high percentage of the graduating class continue formal study in professional and graduate schools throughout the country. All students, however, whether interested in a terminal liberal arts education or aiming at intensive specialization later on, must comply with the rules governing distribution and concentration of courses.

THE HEALING ARTS

Through the years many Dickinson students have been prepared for graduate study in the healing arts. Schools of medicine, dentistry, osteopathy, optometry, and nursing vary in their admission requirements. Generally admission to professional schools is based on a student's college record, the recommendations of faculty members, scores attained on an aptitude test and interviews by an admissions officer. Pre-medical and pre-dental students are advised to elect chemistry in their first year and to register with the pre-medical adviser before completing their course schedules.

COLLEGE-LAW SCHOOL PROGRAM

A student at Dickinson College planning a law career has distinct advantages. The location of the Dickinson School of Law (a separate institution) contiguous to the college campus has made possible the development of a combined college-law program which has the approval of the State Board of Law Examiners of Pennsylvania.

Under this program the student may register for six semester hours of law in his junior year; and (1) if his College average in the junior year is between 2.25 and 2.75, and (2) if his grades in all his law courses are 60% or better, he may elect 18 hours of law courses in his

senior year. If his average in his College courses in the junior year is 2.75 or better and his grades in all law courses are 60% or better, he may elect from 18 to 24 hours of law courses in the senior year, thus making possible the completion of a full year of law by the time he meets the requirements for graduation from the College. A student who elects no law courses in the junior year may take as many as six hours of law in his senior year. In no instance may the total number of class hours carried simultaneously in the College and Law School exceed eighteen hours per week.

The combined plan is available only to the student who enters College not later than the beginning of the sophomore year. If he elects the combined plan, he must register his intention with his departmental adviser and secure permission of the Dean of the College and the Dean of the Law School. The student taking the combined program is expected to elect English 25 and to complete the College requirements of distribution and concentration. An extra charge, payable to the Treasurer of the College is made if the student elects courses in the Law School to count toward his College degree.

THE MINISTRY AND RELIGIOUS SERVICE

A broad base of training in the liberal arts is required as undergraduate preparation for entrance into either a theological seminary or a religious training school for religious social work. No standardized course is prescribed for pre-ministerial students. They may profitably major in any of the following fields: Philosophy, Psychology, English, Sociology, History, or Political Science. To be adequately prepared for advanced studies in a theological seminary, they should elect two years of Greek and from 15 to 18 hours in the Department of Philosophy and Religion. A thorough training in Public Speaking is also recommended.

PROGRAMS FOR ENGINEERING STUDENTS

Dickinson College furnishes a program for engineering students which combines the advantages of the smaller liberal arts college with the training to be secured at a large urban engineering school. By arrangement with the University of Pennsylvania Engineering Schools, Rensselaer Polytechnic Institute, and the Case Institute of Technology, the College offers a five-year course, the first three years of which are spent at Dickinson, the final two at the engineering school selected. A student may secure a degree both in liberal arts and in engineering through this five-year program.

The combined plan is available only to the student who enters the College not later than the beginning of his sophomore year. Candidates for an engineering program should inform the Dean of Admission of Dickinson College that they wish to apply for this program. The student should also indicate which of the three engineering schools he wishes to attend.

TEACHER CERTIFICATION

The Department of Education offers undergraduate courses leading to the Provisional Secondary Teacher's Certificates. The Department provides the proper courses for certification in many states including Pennsylvania, New Jersey, Maryland, and Delaware. There is a minor offered in Education. The student preparing to teach completes his major in other departments of the college.

THE WASHINGTON SEMESTER

In cooperation with The American University and an allied group of colleges and universities, this College offers four high-ranking juniors the opportunity to study during the spring semester at The American University, Washington, D. C. These students should preferably be majors in either economics, history, political science, or sociology. Application must be made to the Dean of the College, through the chairman of the department in which the student is completing his field of concentration, before October 15.

THE ARMY ROTC PROGRAM

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

In 1952, the Department of Army established a unit of Army Reserve Officers Training Corps on the campus of Dickinson College. This unit is part of the Branch General Program which provides training that leads to commissioning in any branch of the Army (except the Medical Corps and the Judge Advocate General Corps). The mission is to train selected students for one of the major responsibilities of democratic citizenship—commissioned service in the Armed Forces in times of need.

The course at Dickinson College is voluntary. Students accepted in the program are required to complete the basic course (Freshman and Sophomore) and, if they request the advanced course and are accepted, to complete the advanced course (Junior and Senior). (For information concerning subjects taught see Index.)

Veterans with approval of the Professor of Military Science and Tactics may be admitted to the ROTC program with advanced standing.

Students in the ROTC program are furnished complete uniforms and text books at government expense. Officer's type uniforms are issued to all regularly enrolled advanced course students and these become their property when commissioned.

Advanced course students receive pay for approximately 595 days at the rate of 90 cents a day. These students attend summer camp for six weeks between their junior and senior years. During the camp period they are furnished equipment, clothing, food, medical care, and receive approximately \$125.00 in pay. They also receive a travel allowance of 5 cents a mile.

Students accepted in the Corps are, upon signing a draft-deferment agreement, deferred under the provisions of the Selective Service Act of 1948 for the duration of their enrollment in the ROTC program.

Completion of the advanced course of instruction qualifies an individual for appointment as a Second Lieutenant in the United States Army Reserve. An outstanding graduate who desires to make the Army his career may apply for a direct commission in the Regular Army.

SUMMER SCHOOL

The College offers a summer program consisting of two terms for the successful completion of which a student may obtain a maximum of twelve college credits applicable to his degree requirements at Dickinson college or acceptable for transfer credit at other academic institutions. In addition to the traditional academic subjects, the College provides in its summer programs certain specialized offerings of distinctive character as set forth in the separate summer bulletin. Copies of this bulletin may be obtained from the Dean of Admission.

THE DICKINSON COLLEGE ADULT EDUCATION PLAN

As a community service Dickinson College provides each fall and spring a program of noncredit evening courses with a cultural or vocational focus. While generally ten weeks in duration, these courses vary according to the special interests of the individuals or groups served. For announcements of the courses in any specific series inquiries may be addressed to the Director, Adult Education Plan.

Curriculum

The College offers two parallel courses in the Liberal Arts and Sciences leading to the degrees of Bachelor of Arts and Bachelor of Science.

A. REQUIREMENTS FOR GRADUATION

1. 124 semester hours of satisfactorily completed academic work; an average of at least 1.75 in all courses taken at Dickinson College.
2. Four semester hours of Physical Education. This requirement may be satisfied by the completion of two years of Military Science.
3. Seven semesters of chapel attendance.
4. Completion of Required Courses and satisfaction of concentration and distribution requirements.
5. A minimum of 60 semester hours of course work in residence, including at least 24 of the 30 hours immediately preceding graduation. (Work completed under such cooperative programs of study as the College-Law School program, the binary engineering program, and the Washington Semester shall be construed as work in residence.)
6. The Institutional Testing program of the Graduate Record Examinations.

B. REQUIRED COURSES

1. English 1-(2), Social Science 1-(2) [A.B. candidates only], a laboratory science [Biology 11-(12) or 23-(24), Chemistry 11-(12), Geology 11-(12), or Physics 11-(12)].
2. *Language Requirements:*
 - a. A candidate for a degree is required to complete work in a foreign language, classical or modern, through the intermediate level.
 - b. Any student entering a course in a foreign language which he has studied for two or more years in a secondary school must take a placement examination. A College Entrance Examination Board achievement test will satisfy this requirement.
 - c. Entering freshmen who desire to continue in college the study of a modern foreign language which they have already studied for a minimum of two years shall be placed in the appropriate college course on the basis of scores achieved on placement tests.

C. DISTRIBUTION REQUIREMENTS

Candidates for either the A.B. or the Sc.B. degree must complete at least three semesters of work in courses numbered above 10, in each of the following three groups:

- (A) English, French, German, Greek, Latin, Spanish
- (B) Economics, History, Political Science, Sociology
- (C) Dramatic Arts, Education, Fine Arts, Music, Philosophy, Psychology, Religion

D. FIELDS OF CONCENTRATION

1. The fields of concentration consist of a major and a minor.
 - a. The major consists of 24-30 semester hours of academic work in the chosen department.
 - b. The minor consists of 12-18 semester hours of academic work in another department.
2. The fields of concentration must be chosen prior to the end of the second year.
3. Acceptance of the student as a major is determined by the chairman of the department concerned, who then becomes the accepted student's Adviser.
4. A student who is not accepted for a major field of concentration at the end of his sophomore year will be granted an additional semester in which to qualify. If at the end of this additional semester he has still not been accepted, he will be required to withdraw from college without the privilege of readmission.
5. Only courses numbered above 10 will be accepted in satisfaction of the requirements of a field of concentration. A course may not be counted for both the major and the minor.

E. CURRICULUM: BACHELOR OF ARTS

1. FRESHMAN YEAR:

- a. The normal academic load for a freshman is 30-36 semester hours.

(1) <i>Required Courses:</i>	<i>Hours</i>
English 1-(2)	6
Foreign Language 1-(2)	6-8
Social Science 1-(2)	6
Physical Education (2 hours)	

(2) *Basic Distribution:*

Elective courses from the following groups so chosen as to lead to satisfaction of the requirements of distribution:

Group A. Foreign Language 6—8

Group B. History 11-(12) 6
 History 13 2
 History (14) 2

Group C. Philosophy 11 or (11) 3
 Philosophy 15 or (15) 3
 Psychology 11-(12) 6

(3) *Additional Elective:*

Mathematics 1-(2) 6
 Mathematics 3-(4) 10
 Mathematics 5 5
 Military Science 1-(2) 4

If Military Science is elected Physical Education need not be taken.

Total Semester Hours for Year 30—36

2. SOPHOMORE YEAR:

- a. The normal academic load for a sophomore is 30-34 semester hours.

(1) *Required Courses:* *Hours*

Any one of the following Laboratory Sciences:

Biology 11-(12) 8
 Biology 23-(24) 8
 Chemistry 11-(12) 8
 Geology 11-(12) 8
 Physics 11-(12) 8

Physical education (2 hours)

(2) *Basic Distribution:*

Electives so chosen as to satisfy the requirements of distribution 22—28

(3) *Elective for Men:*

Military Science 10-(11) 4

If Military Science is elected Physical Education need not be taken. Military Science 10-(11) is required of students who complete Military Science 1-(2).

Total Semester Hours for Year30—36

3. JUNIOR AND SENIOR YEARS:

- a. Normal academic load, 32-34 semester hours.
- b. Electives so chosen as to satisfy the requirements of distribution
- c. Courses in chosen fields of concentration.
- d. Free electives to make up academic load.

F. CURRICULUM: BACHELOR OF SCIENCE

I. FRESHMAN YEAR:

- a. Normal academic load, 30-36 semester hours.

(1) <i>Required Courses:</i>	<i>Hours</i>
English 1-(2)	6
Foreign Language	6—8
Mathematics 1-(2), 3-(4) or 5	5—10
Laboratory Science courses contributory, or preparatory, to expected field of concentration	8
Physical Education (2 hours)	

(2) *Basic Distribution:*

Elective courses from the following groups so chosen as to lead to satisfaction of the requirements of distribution:

<i>Group B.</i> History 11-(12)	6
History 13	2
History (14)	2
<i>Group C.</i> Philosophy 11 or (11)	3
Philosophy 15 or (15)	3
Psychology 11-(12)	6

(3) *Additional Elective for Men:*

Military Science 1-(2)	4
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If Military Science is elected Physical Education need not be taken.

<i>Total Semester Hours for Year</i>	<u>30—36</u>
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2. SOPHOMORE YEAR:

a. Normal academic load, 30-34 semester hours.

(1) *Required Courses:*

a. Science courses contributory or preparatory to proposed fields of concentration.

b. Physical Education (2 hours).

(2) *Basic Distribution:*

Electives so chosen as to satisfy the requirements of distribution.

(3) *Elective for Men:*

Military Science 10-(11)

If Military Science is elected Physical Education need not be taken. Military Science 10-(11) is required of students who complete Military Science 1-(2).

3. JUNIOR AND SENIOR YEARS:

a. Normal academic load, 32-34 semester hours.

b. Electives so chosen as to satisfy the requirements of distribution.

c. Courses in chosen field of concentration.

d. Free electives to make up academic load.

4. Candidates for the Sc.B. degree are required to select a major in Biology, Chemistry, Mathematics, or Physics; and complete 12 additional hours of work in courses numbered above 10 in one or more of the other three departments, or in Geology.

G. HONORS COURSES

In each major field of concentration there is provided an Honors Course, intended to give the superior student experience in independent study and an introduction to research activity.

1. The Honors Course is open only to those seniors whose field of concentration is the department concerned, and whose work in that department has been of high quality, averaging at least 3.25. An Honors Course in an area which embraces more than one department may be arranged by the Dean of the College in consultation with the chairman of the departments concerned.

2. An essential element of the work is a written report of the student's investigation, due one month before graduation.

3. High quality is expected in both the independent study and the report. When the work meets the standards of the department, a grade A in the course will be given, and the student will be graduated "with honors" in his field of concentration. Record of this distinction will appear on the diploma and in all transcripts furnished by the Registrar.

4. If the student's work is of good quality but does not meet the standards for graduation with honors, he will be given a grade S (Satisfactory) in the course.

5. Each department will determine whether the honors credit (6) of the course will count toward satisfaction of requirements for the major.

H. SELECTED ACADEMIC REGULATIONS*

1. RESPONSIBILITY OF STUDENT:

Responsibility rests with the student for the election of such courses as will satisfy the requirements of the College for graduation.

2. CHANGES IN REGULATIONS:

The College reserves the right to change its regulations and the courses of study without previous notice to the student.

3. CREDIT FOR COURSE WORK:

Credit for courses is based on the assumption that two hours of study accompany each period of recitation or lecture.

4. CREDIT FOR WORK AT OTHER COLLEGES:

a. The College may grant credit for work completed at other accredited colleges on previous arrangement with the chairman of the appropriate department, the Adviser, and the Dean of the College. To receive credit the work must be at least C or its equivalent quality credit value. This work will count as hours credit toward graduation but the grade will not be used in computing the average for graduation.

* More detailed regulations are available in a separate pamphlet.

b. The College will accept no more than 12 credits for any one summer period and no more than 18 credits for summer study at other institutions.

5. CREDIT FOR WORK ABROAD:

Credit will be granted for a year's work abroad provided it is approved in advance by the Dean of the College, it is properly supervised, and the student presents a satisfactory certificate of accomplishment.

6. EFFECT OF REPEATED ABSENCE:

No academic credit will be given for a course in which the student has been absent more than the equivalent of six weeks in a semester.

7. REGULATIONS GOVERNING GRADES:

a. Grades shall be reported as:

A	(Excellent)	F	(Failing)
B ..	(Above Average)	S	(Satisfactory)
C	(Average)	U ..	(Unsatisfactory)
D ..	(Below Average)	I	(Incomplete)

8. AVERAGES:

a. *Computation of Averages:*

(1) In the computation of averages the following scale of Quality Credit Points will apply:

<i>Grade</i>	<i>Points</i>
A	4
B	3
C	2
D	1
F	0

(2) A student's average shall be computed on the basis of all academic work which he has taken at Dickinson College during any specific period.

The average shall be computed by summing all the products obtained by multiplying the earned quality credit points by their respective semester hours, and dividing that total by the sum of the semester hours of all academic work taken, this result to be carried to two decimal places.

b. *Application of Averages:*

(1) Minimum Academic Standards:

A regular student is required to meet the following minimum standards of academic quality during his course:

1. Freshman: An average of 1.25
2. Sophomore: An average of 1.75 for the year or a 1.75 2-year average
3. Junior: An average of 2.00 for the year or a 1.75 3-year average
4. Senior (to be graduated): An average of 1.75 in all courses taken at Dickinson College

A student who fails to meet the minimum standard for his class will be required to withdraw. He may apply for readmission after attending an accredited college elsewhere for one regular semester (not a summer session) and meeting the following minimum specifications: completion of a program consisting of at least 15 hours in courses approved in advance by the Dean of the College and the attainment of an average of at least 2.25, with no grade lower than "C." Military service, or satisfactory employment, may be substituted for such scholastic experience. If after reinstatement he fails to meet the minimum standard for his class he will be required to withdraw and will be barred from readmission.

The Freshman, Sophomore, and Junior years are interpreted as the first, second, and third College Years of attendance as a matriculated student. (The College Year extends from the opening of college in the fall to Commencement.)

In the case of a student entering Dickinson with advanced standing because of work done at other institutions, the Committee on Admission will determine his status as to class or year of attendance. In all other cases involving such irregularities as work done outside the Dickinson College Year, the Dean of the College will determine the student's class or year of attendance.

The Senior year is normally the fourth year of college attendance, but it may occur earlier or later. Specifically, a student meeting the quality standards is advanced to the Senior year at the end of the semester in which his total credit hours has reached 90. If this total has not been

reached at the end of the second semester of his Junior year he will be allowed one additional semester as a junior. If he cannot enter the Senior year after such additional Junior semester, he will be required to withdraw.

A student is expected to be graduated at the end of his Senior year. If he has not satisfied the requirements for graduation at the end of the second semester of his Senior year, he will be allowed one additional semester as a Senior. If he cannot be graduate at the end of such additional Senior semester, his status will be considered by the Faculty.

(2) *Honors Upon Graduation:*

- a. A student who in his total program attains an average of at least 3.75 shall be awarded his degree *summa cum laude*.
- b. A student who in his total program attains an average of 3.50 but less than 3.75 shall be awarded his degree *magna cum laude*.
- c. A student who in his total program attains an average of at least 3.25 but less than 3.50 shall be awarded his degree *cum laude*.

9. CREDIT, MILITARY SERVICE AND DRAFT:

a. *Credit for Military Service:*

Credit will be given toward the College requirement of four hours in Physical Education on the basis of two hours of credit for each year of military service.

b. *Credit for Men Drafted:*

In order to assure the largest possible credit to men students who are called to active duty in the armed forces before the end of the semester, Dickinson College is prepared to give credit for work done, on the following basis:

(1) Immediately upon receiving notification of induction into active service the student must notify his Adviser, who will arrange for tests to be given in the subjects taken by the student. Upon receiving a passing grade, a student will be given credit toward graduation in the following manner:

(2) For the completion of two weeks in the semester, two semester hours of credit will be given; three weeks, three semester hours of credit, etc. If the student has completed eight weeks or more, he may, provided his average is 1.75 or better, be given full credit for the semester (i.e., if the student receives a general average of 1.75 he will receive a full semester's credit for each course in which he receives a passing grade.) It will be essential, however, for the students to do good classroom work to be eligible for credit. Students with incomplete work in any course will not be eligible for credits under this plan.

(3) College fees for this group of students will be pro-rated on the basis of credits for which they may be eligible if work is satisfactorily completed.

Courses of Instruction

Below are given, in alphabetical order, the areas of instruction, with a description of the courses offered under each.

The classification of courses is as follows:

1. Odd numbers generally indicate Fall Semester courses.
2. Numbers included within parentheses generally indicate Spring Semester courses.
3. A hyphen indicates a year course in which credit will not be given for the work of a single semester.
4. A comma between the numbers, unless the numbers are preceded by an asterisk, indicates that the course may be elected for either semester or for the entire year. An asterisk before the numbers indicates that the course may be elected for the Fall Semester only or for the entire year; that is, the first semester is a prerequisite for the second.

BIOLOGY

PROFESSOR HERBER

ASSISTANT PROFESSOR McDONALD

MR. FOLDEN AND MRS. McDONALD

The general course in biology offers the liberal arts student a comprehensive view of the properties and principles of living matter, while at the same time providing a groundwork in the techniques of experimental science. Upon this foundation, the advanced courses provide a detailed analysis of the structures and functions of the organism in plant, and animal life.

11-(12).—GENERAL BIOLOGY

Lectures and recitations in biological principles, morphology, and physiology. *Six semester hours; laboratory, two semester hours.*

23-(24).—GENERAL ZOOLOGY

Lectures and recitations in animal morphology, physiology and comparative anatomy. *Four semester hours; laboratory, four semester hours.*

(32).—MAMMALIAN ANATOMY

A study of mammals, particularly the cat. *Prerequisite: Biology 11, or Zoology 23. Lecture, one semester hour; laboratory, two semester hours.*

(34).—BACTERIOLOGY

A study of the structure, cultivation, sterilization, and identification of microorganisms. *Lecture, two semester hours; laboratory, one semester hour.*

41.—HISTOLOGY

The study of animal tissues. *Prerequisite: Biology 11, or Zoology 23. Lecture, one semester hour; laboratory, two semester hours.*

(44).—EMBRYOLOGY

The study of the development of animals, using the experimental approach. *Prerequisite: Biology 11, or zoology 23. Lecture, two semester hours; laboratory, one semester hour.*

45.—PHYSIOLOGY

General principles of physiology are stressed in the lecture part of the course; in the laboratory part, blood, digestion and the making of kymograph records of muscle-nerve reactions are emphasized. *Lecture, two semester hours; laboratory, one semester hour.*

51.—GENETICS

A study of the principles of heredity, their application, and relation to evolution and eugenics. *Prerequisite: Biology 11-(12). Two semester hours.*

BIOLOGY 51L.—EXPERIMENTAL GENETICS

Laboratory Projects designed to acquaint the student with modern techniques for conducting genetic experiments with living organisms. *Prerequisite: Completion of, or concurrent registration in, Biology 51. Two semester hours.*

53.—PARASITOLOGY

A study of parasites in relation to disease; their life histories and geographical distribution. *Prerequisite: Biology 11-(12) or Zoology 23-(24). Lecture, two semester hours; laboratory, one semester hour.*

(54).—FIELD BOTANY

Lecture, a study of the major factors in distinguishing families and species of plants; the laboratory work consists of fieldwork in identifying and collecting twigs of trees in winter and flowers in spring. *Prerequisite: Biology 11-(12). Lecture, one semester hour; laboratory, one semester hour.*

81, (82).—SPECIAL PROBLEMS

Laboratory work, research aspect emphasized. Topics are assigned for investigation. *One or two semester hours.*

92.—SEMINAR IN GREAT IDEAS OF BIOLOGY

A reading and conference course for juniors and seniors majoring in biology. *Two semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

Major: 30 semester hours, including Biology 11-(12) and Zoology 23-(24).

Minor: 18 semester hours, including Biology 11-(12) (or Zoology 23-(24) with the written consent of the departmental chairman).

CHEMISTRY

PROFESSORS VUILLEUMIER AND ROGERS

ASSOCIATE PROFESSORS ZIEGLER AND GLEIM

ASSISTANT PROFESSOR SIA

The work in General Inorganic Chemistry is planned to meet the needs of the student for whom this is the terminal course in chemistry, as well as for the student who plans to take additional courses in the department.

The advanced courses are planned primarily for students who are preparing for medicine, teaching, industry and graduate work.

Professional Training in Chemistry

Dickinson College is included on the list of institutions approved for undergraduate training in chemistry by the American Chemical Society. The ACS minimum requirements in chemistry include four basic year-courses in general chemistry, analytical chemistry, physical chemistry, and organic chemistry, together with at least one year of advanced work. Any deficiency in any of the basic courses is to be compensated for by a corresponding increase in a more advanced course. In addition, courses in physics, mathematics through integral calculus, a reading knowledge of German, a year of English composition, and the equivalent of a full semester devoted to the study of the humanities are required.

11-(12).—GENERAL CHEMISTRY

The material in the text is supplemented by demonstrations and explanations. Students are given considerable practice in solving problems. *Recitation, six semester hours; laboratory, two semester hours.*

27.—QUALITATIVE ANALYSIS

A study of the common metal ions and acids or anions, and schemes of analysis. *Prerequisite: General Chemistry. Recitation, two semester hours; laboratory, two semester hours.*

(34).—ELEMENTARY PHYSICAL CHEMISTRY

Lecture course, primarily for pre-medical students. A study of structure, solutions, equilibrium, conductance, electro-motive force, pH, colloids, and related topics. *Prerequisite: General Chemistry and Qualitative Analysis. Two semester hours.*

51-(52).—ORGANIC CHEMISTRY

A study of the chief classes of carbon compounds, with emphasis upon preparation, properties, and structure. *Prerequisite: General Chemistry and Qualitative Analysis. Recitation, four semester hours; laboratory, four semester hours.*

53.—IDENTIFICATION OF ORGANIC COMPOUNDS

Prerequisite: Organic Chemistry. Beilstein is used. Recitation, two semester hours; laboratory, one semester hour.

(54).—ADVANCED THEORETICAL ORGANIC CHEMISTRY

Lecture course. A discussion of phases of organic chemistry not covered in the more elementary course. *Prerequisite: Organic Chemistry. Beilstein is used. Open only to seniors who have completed three years in college chemistry. Two semester hours.*

(62).—QUANTITATIVE ANALYSIS

Devoted largely to the principles and methods of volumetric and gravimetric analysis. The laboratory program is flexible, and latitude is allowed students manifesting interest and ability. *Prerequisite: Qualitative Analysis. Semester hours of credit depend upon the number of hours elected by the student. The minimum offering is two semester hours. Prospective chemists should plan to complete a total of six semester hours of laboratory work in quantitative analysis by the end of the junior year. Recitation, two semester hours; laboratory, at least two semester hours.*

63-(64).—ADVANCED QUANTITATIVE ANALYSIS

Advanced analysis, with emphasis upon instrumental methods. *Prerequisite: Quantitative Analysis. Open only to seniors who have completed three years of college chemistry. Recitation, two semester hours; laboratory, four semester hours.*

81-(82).—PHYSICAL CHEMISTRY

The kinetic theory of gases, thermodynamics, solutions, equilibrium, electrochemistry, colloids, the structure of the atom, and related topics. *Prerequisite: Integral Calculus. Determinations of molecular weight, density, viscosity, refractive index, surface tension, solubility, transition points, equilibrium constants, conductance, electromotive forces. Additional experiments are performed. Three laboratory hours per week for the year. Recitation, six semester hours; laboratory, two semester hours.*

101-(102).—HONORS COURSE

(See Index.) *Six semester hours.*

Major: 30 semester hours including 11-(12); 27; 51-(52); and (62)

Minor: 18 semester hours including 11-(12).

CLASSICAL LANGUAGES AND LITERATURE

PROFESSORS SANDELS, PETERKIN, AND WING

ASSISTANT PROFESSOR FRÖGEN

The goal of the work in the Department of Classical languages and Literature is to enable the student to read choice portions of Greek and Latin Literature and to acquaint him with the cultural aspects of the Greek and Roman civilizations and their influence on the civilizations of the Western world.

Greek

1-(2).—FIRST YEAR GREEK

Emphasis on the fundamentals of Greek grammar and the study of vocabulary. *Six semester hours.*

11-(12).—SECOND YEAR GREEK

Completion of the study of grammar. Readings in Attic prose and, in the second semester, the New Testament. *Prerequisite: Greek 2, or the equivalent. Six semester hours.*

21, (22).—SURVEY OF GREEK LITERATURE

Reading of representative Greek authors, both prose and poetry. Supplementary readings from Greek literature in English translations. *Prerequisite: Greek 11-(12) with a grade of at least C. Three or six semester hours.*

43,(44).—CLASSICAL ARCHAEOLOGY

First semester: Greek archaeology, with particular emphasis on topography, architecture, and sculpture. Second semester: Roman archaeology. *Not to be given in 1957-58. Two or four semester hours.*

Major: Not offered.

Minor: 18 semester hours, including Greek 11-(12), 21,(22), and History 21,(22).

Latin

1-(2).—FIRST YEAR LATIN

Drill in the fundamentals of Latin grammar and vocabulary. *Six semester hours.*

11-(12).—SECOND YEAR LATIN

Further study of grammar and vocabulary. Readings from Latin prose. Study of public and private life of the Romans. *Prerequisite: Latin 2, or the equivalent. Six semester hours.*

In both Latin 1-(2) and 11-(12) stress is laid on the study of the Latin background of the English language.

21.—ROMAN HISTORIANS

Readings from representative Roman historians, with particular emphasis on Livy. Parallel readings in Roman history. *Three semester hours.*

22.—VIRGIL

Selections from the Aeneid. Virgil's life and literary influence. *Three semester hours.*

Prerequisite for 21 and 22: Latin 11-(12) with a grade of at least C.

31.—LATIN LYRIC POETRY

Horace, Odes and Epodes; Catullus. Life and literature of the Augustan Age. *Three semester hours.*

32.—CICERO

Orations and some essays. *Three semester hours.*

*33,(34).—PROSE COMPOSITION

Practice in both oral and written composition. *Prerequisite: Latin 11-(12) with a grade of at least C. Two or four semester hours.*

41.—ROMAN SATIRE

Horace, Juvenal, and Petronius. Origin and development of the Roman satire; study of Roman social life. *Not to be given in 1957-58. Three semester hours.*

42.—CICERO: LETTERS

Life and character of Cicero as revealed in his letters. Political and social conditions of his Age. *Not to be given in 1957-58. Three semester hours.*

51.—PLAUTUS AND TERENCE

Reading of some of their most important plays. The ancient theatre. *Not to be given in 1957-58. Three semester hours.*

52.—ROMAN PHILOSOPHY

Selections from Lucretius, Cicero, and Seneca. *Not to be given in 1957-58. Three semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

Prerequisite for any literature course beyond 22: Latin 21,(22) with a grade of at least C.

Major: 30 semester hours, including 11-(12) and 21,(22).

Minor: 18 semester hours, including 11-(12) and 21,(22).

History 23, (24) may be counted for either Major or Minor.

DRAMATIC ARTS

MR. BRUBAKER

Courses in dramatic arts are offered in the four major phases of dramatic production. They are open to all students who wish to study them as pure electives or as distribution requirements for Group C. No major or minor is offered, but by combining these courses with the offerings of the department of English in dramatic literature, the student may receive a thorough background in the field.

There is no necessary reciprocity between the courses offered and the annual productions of the drama program. Students may participate in the activities either academically or as cast and staff members for the plays presented to the public.

*11,(12).—ACTING AND DIRECTING

First semester: A laboratory course in acting, with a study of the principles and theories of acting combined with practical exercises. Second semester: A laboratory course in directing, as above, the emphasis on the director's responsibility for performance. *Five or ten hours counting as three or six semester hours.*

21.—STAGECRAFT

A laboratory course in technical production, with emphasis on class and individual projects related to the various aspects of stagecraft. *Four hours counting as three semester hours.*

(32).—HISTORY OF THE THEATRE

A study of the physical theatre, from Greek to modern times, of the influence of theatres upon playwrights and of playwriting upon theatres, and of the major trends and styles in playwriting and in production. *Three semester hours.*

ECONOMICS

PROFESSORS HALLER, PRINZ, AND PRENTICE

MR. HOUSTON

The Department of Economics offers courses designed to give the student a knowledge of the essential facts and theories basic to the free enterprise and other economic systems of the world today. A student majoring in the field may obtain a background for business and the prerequisites for graduate study in business, business administration, economics, and other allied fields. Other students will find the various courses complementary to their specialized programs in political science, sociology, history, and the like.

1-(2).—SOCIAL SCIENCE

Introduction to Social Science. An integrated course in the social sciences which applies the methods of economics, political science, and sociology to the major aspects of present-day society. *Required of all freshmen enrolled in the Bachelor of Arts curriculum. Six semester hours.*

Economics

12.—ECONOMICS OF CONSUMPTION

A study of consumption and its relation to the national income, including analysis of major factors in the consumer expenditure patterns, such as housing, personal saving, medical care, social security; and the role of government in safe-guarding consumer interests. Consideration is also given to such consumer institutions as cooperatives, consumer research organizations, credit unions, et cetera. *Not open to freshmen or to juniors and seniors who have credit for Economics 21-(22). Three semester hours.*

15.—ECONOMIC GEOGRAPHY

The main geographic regions of the world compared with respect to their climate, natural resources, main lines of agricultural and industrial production, as a basis for the understanding of world trade and international economic policies. *Not open to freshmen. Three semester hours.*

21-(22).—PRINCIPLES OF ECONOMICS

Designed to enable the student to appraise intelligently contemporary economic problems. Particular emphasis is placed upon the structure of modern markets—production and pricing; the development of business organizations and related institutions; the banking system; national income and its distribution into wages, rents, interest, and profits; public finance; international trade; and comparative economic systems. *Six semester hours.*

29,(30).—ACCOUNTING

A course designed to give the student a general knowledge of accounting as a method of economic and financial analysis and interpretation. Use of accounting for information and control; double entry theory and techniques; classification and valuation problems; preparation and analysis of operating cost and other financial statements along with a consideration of related concepts in other fields of economics. *Three or six semester hours.*

35.—BUSINESS ORGANIZATION

The forms of business enterprise compared in their legal status and economic importance; dominance of the corporate form of private enterprise; problems of business administration; investors, rights and state control. A major part of the course is devoted to the corporation as a private business agency, but considerable attention is given to the use of the corporation by our federal government in public enterprise. *Prerequisite: Economics 21. Three semester hours.*

44.—PUBLIC FINANCE

A survey of the field of government finance—national, state and local. Trends and purposes in governmental income and expenditures; analysis of deficit financing and taxation theory and practice; the relation of these aspects of finance to credit and price structures, business administration, and the business cycle as a factor in determining public policy. *Prerequisite: Economics 21-(22). Three semester hours.*

47.—MONEY AND BANKING

A study of the role of money and credit in the United States economy. This includes an examination of the functions of money, the commercial banking system, the Federal Reserve System, and miscellaneous domestic and international financial institutions. Various theories of money will be studied, such as the quantity, national income, and money flows systems. An analysis and appraisal of the monetary and financial policies and practices of the Federal Reserve System and the United States government will also be considered. *Prerequisite: Economics 21-(22). Three semester hours.*

48.—FOREIGN TRADE

The past and present significance of international trade; its mechanism; its regulation by tariffs, quotas, exchange controls, government monopolies; its connection with foreign investment, foreign aid, and foreign and domestic policies. *Prerequisite: Economics 21-(22). Three semester hours.*

(49).—INTERNATIONAL ECONOMICS

This course, which supplements the one on foreign trade, deals with such present-day problems as international cartels, state trading, foreign aid, development of backward areas, and the constitution and functions of such organizations as the International Monetary Fund, the World Bank, European Payments Union, and G.A.T.T. *Prerequisite: Economics 21-(22). Three semester hours.*

(50).—SOCIAL CONTROL OF BUSINESS

Analysis of the control of monopoly in American industry. Particular problems of government, guaranteed pricing and defense, agriculture, and public utility industry as well as basing point systems, patenting and licensing agreements, delivered pricing, et cetera, are also included. Over-all emphasis placed upon the interpretation and enforcement of the anti-trust laws. *Prerequisite: Economics 21-(22). Three semester hours.*

53.—THE ECONOMICS OF LABOR

The survey of the development and regulation of trade unions in the United States with special reference to the institutional and theoretical background of collective bargaining wherein wages, hours, and other conditions of employment are determined. *Prerequisite: Economics 21-(22). Three semester hours.*

(61).—ACCOUNTING AND ECONOMIC ANALYSIS

A consideration of the use of financial data in the field of economics. *Prerequisite: Economics 21-(22) and 29, (30). Three semester hours.*

71.—ECONOMIC HISTORY OF THE UNITED STATES OF AMERICA

The evolution of agriculture, industry, commerce, finance, and transportation from Colonial times to the present—viewed against the background of natural environments and changing social and governmental institutions. *Prerequisite: Economics 21-(22). Three semester hours.*

*73, (74).—HISTORY OF ECONOMIC THOUGHT.

A critical presentation of the significant economic theories from early beginnings to the present time—viewed as an expression of the individuality of the great thinkers and of their historical background. *Prerequisite: Economics 21-(22). Three or Six semester hours.*

(75).—BUSINESS CYCLES

A critical analysis of the history and causes of economic fluctuations, the main theories and the various measures designed to bring about greater economic stability. *Prerequisite: Economics 21-(22) and 47. Three semester hours.*

76.—CONTEMPORARY ECONOMIC SYSTEMS

Capitalism, communism, fascism, and socialism compared as economic systems. Their ideology; their historical development in the principal countries; and their main present problems. *Prerequisite: Economics 21-(22). Three semester hours.*

(78).—ECONOMIC THEORY

A study of the major fields of modern economic theory. This will emphasize macro- and micro-economic problems while including such areas as institutional and welfare theories along with a survey of econometrics, input and output analysis, and economic growth. *Prerequisite: Economics 21-(22). Three semester hours.*

95, (96).—SEMINAR

A reading and conference course for advanced students. *Prerequisite: Economics 21-(22) and permission of the instructor. To be given each semester. Two or four semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

NOTE: Students who plan to make economics their major field of study should arrange to take Economics 21-(22) as early as possible, preferably in their sophomore year, in order to avoid election difficulties later. They should elect Accounting 29 not later than the junior year.

Major: Thirty hours, including 21-(22), 29, 47 and 73-(74).

Minor: Eighteen hours, including 21-(22).

EDUCATION AND PSYCHOLOGY

PROFESSORS JAMES AND FINCK

ASSOCIATE PROFESSOR GRAFFAM

ASSISTANT PROFESSOR MAYFIELD

MR. McLENNAND AND MR. PETERSON

The Department of Education offers undergraduate courses leading to the Provisional Secondary Teachers' Certificates. The Department provides the proper courses for certification in the states of Pennsylvania, New Jersey, Maryland and Delaware. It conceives as its dual function the preparation of teachers and the offering of certain courses in Education for the completion of the liberal arts requirement. A student who plans to teach in the secondary schools should have a conference with the Chairman of the Department before the sophomore year.

The Psychology Department offers two major programs: Plan A, for those who expect to engage in graduate study in Psychology and will seek departmental recommendation for this purpose; and Plan B, for students planning to go directly into business or professional schools other than graduate schools of arts and science. Selection of the plan to be followed must be made not later than the end of the sophomore year and be approved by the Chairman of the Department. Changes from one plan to the other may be made only with permission of the Chairman of the Department and will depend upon the student's ability to satisfy the requirements of the intended plan.

Education

21 or (21).—INTRODUCTION TO EDUCATION

This course performs the two-fold function of a general introduction to the field of education and a systematic analysis of the basic principles involved in a constructive theory of education—aims, values, agencies, the curriculum, organization, practice—serviceable to the citizen and the teacher. Text, supplementary lectures, assigned readings. *Three semester hours.*

31 or (31).—EDUCATIONAL PSYCHOLOGY

An introductory course in the principles of psychology which relate to the problems of education, such as those which arise in connection with the curriculum, methods of learning and teaching, and classification. Emphasis is placed upon the results of scientific study. *Open to sophomores, juniors or seniors who plan to teach. Prerequisite: Psychology 11-(12). Three semester hours.*

33 or (33).—PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOL

This course is designed to acquaint the student with the best philosophic and scientific data in the solution of problems confronting the classroom teacher, with particular reference to the high school. Stress is laid upon the various types of learning and teaching, methods of organization and control, and the development of an effective classroom technique. *Open to juniors and seniors who plan to teach. Prerequisite: Education 31 or (31). Three semester hours.*

35 or (35).—HISTORY AND PHILOSOPHY OF EDUCATION

Education as a social agency, with a background of the general history of civilization, constitutes the point of view of this course. *Open to juniors and seniors who plan to teach. Three semester hours.*

39 or (39).—CURRICULUM

The curriculums of junior and senior high schools form the basis of this course, with particular attention to the subject-matter of the student's field of concentration. The contributions of educational philosophy, psychology, sociology, and history to a progressive adjustment in academic, cultural, and technical courses of study are evaluated, with stress on course construction and revision. *Open to juniors or seniors who plan to teach. Three semester hours.*

43 or (43).—EDUCATIONAL MEASUREMENT

An introductory course seeking to interpret the general principles of educational measurement, with emphasis on such topics as: significance of the modern test movement; uses and abuses of tests; types of tests and scales; their validity; principles of selection and design; techniques of administering and scoring, tabulating and interpreting results. *Prerequisite: Education 31 or (31). Two semester hours.*

47 or (47).—SPECIAL METHODS

Special methods of teaching as applied to the specialized fields for which the student is preparing. Whenever possible the course is given by a member of the department in which the student has his major. *To be elected along with Education 33 or (33). Open to juniors. One semester hour.*

51 or (51).—VISUAL AND SENSORY TECHNIQUES

A study of the visual and sensory techniques currently used in classroom procedure. *Open only to seniors, educational and ministerial students. One semester hour.*

53 or (53).—PRINCIPLES OF GUIDANCE

A general introduction to basic principles of personnel administration for counselors of students. *Two semester hours.*

61-(62).—SUPERVISED PRACTICE TEACHING

Permission to elect this course must be secured from the head of the department and will depend upon scholastic attainment, professional interest in teach-

ing, evidence of a superior teaching personality in the student, and the opportunities available for his work in the nearby high schools. The College will endeavor to make convenient arrangements for the student who meets the requirements for practice teaching, but travel involved and hours of work are primarily the responsibility of the student. *A laboratory fee of \$35 is charged for work in this course. Open only to approved seniors. Prerequisite: Education 33 or (33). Six semester hours.*

Minor: 18 semester hours in departmental course work.

NOTE: This department does not offer a major in Education. The student preparing to teach completes his major and minor in another department of the College.

Psychology

11-(12).—BRIEF INTRODUCTION TO GENERAL PSYCHOLOGY

This course is a prerequisite to all other courses offered in psychology. Six semester hours.

15 or (15).—LEARNING

This course will attempt to examine the theories of learning and to demonstrate by experiment the basic principles underlying these theories. It is expected that observation and experimentation in this area will contribute to broader aspects of psychological theory and will provide a frame-work for answering many practical problems of learning. *Prerequisite: Psychology 21. In alternate years; to be given 1957-58. Three semester hours.*

16 or (16).—PERCEPTION

This course will attempt to examine the way in which the organism comes into contact with and interprets its environments. It is expected that study and experimentation in this area will contribute to broader aspects of psychological theory and will provide a framework for the solution of many practical problems in the fields of sensation and perception, i.e., reading, color, language, and in its broader aspects, social development. *In alternate years; to be given 1957-58. Three semester hours.*

17 or (17).—MOTIVATION

This course offers students an opportunity, through study, observation, and experimentation, to examine various theories of animal and human motivation. A special attempt will be made to get at the "why" of human behavior in terms of its unconscious, biological, psychological, social, and esthetic origins. *In alternate years; to be given in 1958-59. Three semester hours.*

21 or (21).—PSYCHOLOGICAL LABORATORY

An introductory course in Experimental Psychology, designed to acquaint the student with the method of determining the more elementary facts of human behavior. Exercises in Sensation, Attention, Perception, Memory, Affection, and Motor Processes. *Three semester hours.*

33 or (33).—PERSONALITY

A study of the origins and development of personality and of the methods used to measure it. The purpose of this course is to enable the student to construct for himself a wholesome view of mental life. It should help one to avoid pathological deviations for himself and to recognize such unwholesome conditions when he meets them in other people. *Prerequisite; Psychology 15 or 17. Three semester hours.*

41 or (41).—SOCIAL PSYCHOLOGY

A study of the principles of psychology as they are related to the problems of society. The point of attack on these problems is psychological, and the interpretation is in terms of the latest scientific viewpoints in psychology. *In alternate years; to be given 1957-58. Prerequisite; Psychology 33. Three semester hours.*

43 or (43).—APPLIED PSYCHOLOGY

Lectures and experiments illustrating the applications of psychology to the day-to-day situations which accompany human relations in such areas of business, industry, and professional pursuits. *Three semester hours.*

45 or (45).—CHILD PSYCHOLOGY

An introduction to the study of the essentials of child life, together with the psychological principles involved. *Three semester hours.*

47 or (47).—ADOLESCENT PSYCHOLOGY

Detailed study of the characteristics of adolescence with emphasis on the genetic development of the individual and an interpretation of the special problems of youth in psychological terms. *Three semester hours.*

*59, (60).—PSYCHOLOGICAL MEASUREMENT

The first semester is devoted largely to statistics for psychology. The second semester covers the techniques of test construction and analyses of outstanding tests in each of the major areas of mental measurement. *Six semester hours.*

61 or (61).—SYSTEMATIC PSYCHOLOGY

An examination of the various viewpoints in psychology. Detailed study of psychological terms, methods, and the philosophical implications of the various schools of psychology. *Open to psychology majors and minors only. Three semester hours.*

63 or (63).—HISTORY OF PSYCHOLOGY

A study of the development of scientific psychology during the last hundred years with a survey of the backgrounds in philosophical psychology. The purpose of this course is to acquaint the student with the constantly widening range of the experimental and quantitative methods with the emphasis upon the results of research as opposed to the progress of psychological theory. *Open to psychology majors and minors only. Three semester hours.*

65 or (65).—ABNORMAL PSYCHOLOGY

An introduction to the field of abnormal psychology designed for the advanced undergraduate. The facts presented are valuable as background for medical students and for those who contemplate social and educational work. *Open to juniors and seniors who are psychology majors, minors, and pre-medical students. Three semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

Major: 30 semester hours credit in departmental course work including for Plan A: Psychology 11-(12), 16, 21, 59, (60), 61, 63; for Plan B: Psychology 11-(12), 33, 41, 43, 45, 47.

Minor: 18 semester hours credit in departmental course work.

ENGLISH

PROFESSORS NESS, SLOANE, PETERKIN AND SCHECTER

ASSOCIATE PROFESSORS HORLACHER, WARLOW, AND BOWDEN

ASSISTANT PROFESSOR DAVIS

MR. MCGILL, MR. PATTINSON AND MISS ROYER

The language and literature of the Anglo-American tradition are studied historically, by types, and in comparison with other arts and literatures. English majors should therefore take courses in art, music, philosophy and religion, history, and modern foreign languages and literatures; they should acquaint themselves with the best that has been thought and said and done in the world. In various ways superior students are enabled and encouraged to do advanced, independent work.

1-(2).—ENGLISH COMPOSITION

A study of the principles of grammar and rhetoric necessary for clear and vigorous written English. A weekly theme provides practice in the various kinds of expository writing. In the second semester, in addition to writing, the student is introduced to the study of literature. *Required of all freshmen. (But with the consent of the Chairman of the Department and of the Dean of Admission, exceptionally well prepared students may be excused from English I. In its place they take in the first semester English 2a, and in the second, English 16, 18, or 35.) This course is a prerequisite to all other courses in the department. Six semester hours.*

11-(12).—A SURVEY OF ENGLISH LITERATURE

The growth of literary types and values against the background of history, from earliest times to the present. Intensive classroom study of the greater English poets, prose-writers, and dramatists, especially Chaucer, Spenser, Shakespeare, Milton, Pope, Johnson, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, and Arnold. *This course should be elected in the sophomore year by all students contemplating further work in English. Prospective English majors and minors are urged to elect History 43, (44) concurrently with this course. Six semester hours.*

15, (16).—THE ENGLISH NOVEL

The development of the English novel from the late 16th to the early 20th century, with emphasis on the major novelists. Collateral readings and reports. First semester: Defoe to Thackeray and Trollope. Second semester: The Brontes to Conrad, Bennett, and Wells. *Three or Six semester hours.*

17.—ENGLISH DRAMA

The development of English drama from the liturgical play to the late 18th century comedy of manners. *Three semester hours.*

(18).—MODERN DRAMA

The contemporary theatre, with some attention to the influence of European writers since Ibsen upon modern playwriting and stagecraft. *Three semester hours.*

25.—ADVANCED COMPOSITION

An advanced course in the techniques of practical writing. Special attention is given to the development of ideas and their critical appraisal through exposition. *Required in the junior year of all students taking the combined College-Law School program. Three semester hours.*

35.—THE HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE

The origins and growth of the English language from the earliest times to the present. Advanced English grammar. *Intended for language students and those preparing to teach English. Three semester hours.*

37, (38).—WORLD LITERATURE

Readings from a selected group of literary masterpieces of particular significance to Western culture. Lectures by various members of the Faculty. *Open only to juniors and seniors. Three or six semester hours.*

41-(42).—SHAKESPEARE

The background and contemporary setting for an understanding of, and appreciation for, the works of William Shakespeare. The course includes the study of all of his principal dramatic works. *Open to juniors and seniors only. Six semester hours.*

44.—CHAUCE

A study of Chaucer and his century, with emphasis on *The Canterbury Tales* and *Troilus and Criseyde*. *Prerequisite: English 11. Three semester hours.*

45-(46).—A SURVEY OF AMERICAN LITERATURE

Literary trends in America from Puritan times to the present, with emphasis on the major 19th and 20th century writers. *Prerequisite: English 11-(12). Six semester hours.*

49.—REPRESENTATIVE AMERICAN WRITERS

The writers selected for intensive study vary from year to year. Generally they are chosen on the basis of some common principle or trend represented in their writing or time. *Prerequisite: English 11-(12). Three semester hours.*

53-(54).—ENGLISH LITERATURE OF THE 17TH CENTURY

First semester: A study of the important poets and prose-writers from the age of Donne and Jonson to the Restoration, with outside readings in the literature of the period. Second semester: A detailed study of the poetry and prose of John Milton. *Prerequisite: English 11-(12). Six semester hours.*

57, (58).—ENGLISH LITERATURE OF THE 18TH CENTURY

Representative English writers and tendencies of the neo-classical period. First semester: The Augustan period, with emphasis on Dryden, Swift, and Pope. Second semester: The age of Johnson. *Prerequisite: English 11-(12). Alternates with English *61, (62). To be offered 1957-58. Three or six semester hours.*

*61, (62).—ENGLISH LITERATURE OF THE 19TH CENTURY

First semester: The major writers of the Romantic period. Second semester: The Major writers of the Victorian period. *Prerequisite: English 11-(12). Alternates with English *57,(58). Three or six semester hours. .*

65, (66).—CLASSICAL INFLUENCE IN ENGLISH LITERATURE

First semester: Epic and lyric. Second semester: Satire and irony. The development of these forms is traced through Greek, Latin and English literature, and the influence of the classical writers on the English is estimated. *Open to sophomores, juniors and seniors. Not open to students enrolled in English 37. Three or six semester hours.*

67.—TWENTIETH CENTURY FICTION

A study of contemporary fiction based on a group of novels representative of English, American, and Continental achievements and trends. *Not open to sophomores except with permission of the instructor. It is recommended that this course be preceded by at least one semester's study of the English novel. Three semester hours.*

70.—TWENTIETH CENTURY AMERICAN AND BRITISH POETRY

Important American and British poets (Yeats, Robinson, Frost, Pound, Eliot, Auden, and others) and poetic tendencies (symbolism, imagism, Georgianism, social consciousness, and the like). Readings for breadth in an anthology; readings for depth in separate volumes of one or two poets. *Open only to juniors and seniors. Three semester hours.*

81, (82).—CREATIVE WRITING

An examination of the writer's art and the student's own composition through group discussion and individual conferences. First semester: Short fiction. Second semester: One-act plays, with some attention to adaptations of dramatic form for radio, motion pictures, and television. Poetry by student request. *Not open to sophomores except those with a grade of B or better in English 1-(2). Three or six semester hours.*

91-(92).—LITERARY CRITICISM

An introduction to the works of the major critics. The course is a seminar for discussion of the great critics from Plato to T. S. Eliot. Each student undertakes a project in original criticism. *Open only to students with an inclusive average of 2.75 or better. Prerequisite: English 11-(12). Six semester hours.*

95.—JUNIOR SEMINAR: METHODS OF RESEARCH IN ENGLISH

An introductory course in methods of research into various branches of literary study and in effective means of presenting the results of research. *Open to English majors only. Required of all English majors in the junior year. One semester hour.*

96.—SENIOR SEMINAR

Special problems in the study of literature. Individual research or creative writing projects. *Open only to seniors majoring in English who have an inclusive average in English of 2.25 or better. Credit is not given for both this course and English 101-(102). Three semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

NOTE: English 1-(2) or its equivalent is a prerequisite to all other courses in the department. It does not count toward a major or minor.

Major: 30 semester hours in departmental course work, including 24 hours in literature courses. Majors must elect 11-(12), 41-(42), 95, and at least six hours from the following group: 44; 45-(46); 53-(54); 57, (58); *61, (62); and 70. Students who hope to receive departmental honors must elect 101-(102).

Minor: 18 semester hours in departmental course work, including 15 hours in literature courses. Minors must elect 11-(12) and at least six hours from the following group: 41-(42); 44; 45-(46); 53-(54); 57, (58); *61, (62); and 70.

FINE ARTS

PROFESSOR SELLERS

ASSOCIATE PROFESSOR FLOWER

MR. SHEPPARD

The courses in Fine Arts are designed to aid students in an appreciation of the fine arts, and in seeing each art as a reflection of the humanistic ideals of its period in civilization. Art exhibits are held regularly in the gallery in Bosler Hall. Visiting artists meet informally from time to time with the art classes to discuss professional problems and theory in contemporary art.

*(11), (12).—FUNDAMENTALS OF PAINTING AND DESIGN

A studio course consisting of one hour of formal instruction in the classroom and two hours of supervised work in the studio. *Two or four semester hours.*

31-(32).—HISTORY OF ART

A general survey course of both major and minor fields of art. This course serves as an introduction to more intensive study in any one field, and endeavors to acquaint the student with all phases of the subject. *Six semester hours.*

41, (42).—HISTORY OF ARCHITECTURE

A chronological history of architecture with stress laid upon Greek, Roman, Byzantine, Romanesque and Gothic structure, form and function. The second semester, beginning with the Renaissance treats this style through the Baroque and Rococo, after which developments of nineteenth century forms are studied, leading to contemporary building. *Open only to juniors and seniors. Alternate with 43 and (44). To be given 1958-59. Three or six semester hours.*

43.—RENAISSANCE PAINTING

A course in the history and appreciation of painting. A one-semester course, the technique and development of this art is studied beginning with the Italian Renaissance and terminating with the neo-classicists of the late 18th century. *Open only to juniors and seniors. Not to be given 1957-58. Three semester hours.*

(44).—MODERN ART

A study of the influences on modern art beginning with the Impressionist Movement in painting and continuing to the present. Attention is also given to contemporary sculpture. *Open only to juniors and seniors. Three semester hours.*

45.—AMERICAN ART

The history of painting, engraving, sculpture and architecture in the United States. *Three semester hours.*

(46).—AMERICAN ART SEMINAR

Each student completes an individual research project in the field of American art. *Prerequisite: Art 45, and the permission of the instructor. Three semester hours.*

GEOLOGY

ASSISTANT PROFESSOR DIFFORD

The course offerings in the Department of Geology are designed to give a comprehensive view of the principal areas of the science of geology and experience in the fundamentals of geological investigation. This well-rounded program is provided for students planning to proceed

for graduate study or research in the field or directly into positions for which geological training is a requisite, as well as to stimulate understanding and enjoyment of the region in which the student will live.

11-(12).—PHYSICAL AND HISTORICAL GEOLOGY

First Semester

Covers geological principles and external processes, including rock weathering and soils, river action and valley development, effects of glaciers, oceans and volcanoes. Internal processes and their effects are examined, along with earth movement in mountain building, faulting and folding.

Second Semester

The history of the earth and its changing features, with the development of its animal and plant inhabitants. *Six semester hours; laboratory, two semester hours.*

23.—MINERALOGY

A course in descriptive mineralogy in which the various mineral groups are studied. Includes crystallography, general physical properties, chemical and systematic mineralogy. *To be given 1957-58. Prerequisite: Geology 11-(12) or Chemistry 11-(12). Two semester hours.*

(24).—INTRODUCTORY PALEONTOLOGY

This course takes up the chief invertebrate fossil groups including fossils of Pennsylvanian Paleozoic formations. *To be given 1957-58. Prerequisite: Geology 11-(12) or Biology 11-(12). Two semester hours.*

31.—ECONOMIC GEOLOGY: NON-METALS

This course covers the mineral fuels, coal, oil and gas, as well as building materials, saline substances and fertilizer materials. *Prerequisite: Geology 11-(12). To be given 1957-58. Two semester hours.*

(32).—ECONOMIC GEOLOGY: METALS

This course covers a study of ores and ore deposits, including their geographic distribution, geologic occurrence, origin and uses. *Prerequisite: Geology 11-(12). To be given 1957-58. Two semester hours.*

33.—STRUCTURAL GEOLOGY

Properties, relationships, and positions of the component rock masses of the earth. *To be given 1958-59. Prerequisite: Geology 11-(12). Two semester hours.*

(34).—SEDIMENTOLOGY

Origin, transportation, deposition, characteristics, and consolidation of sediments. *To be given 1958-59. Prerequisite: Geology 11-(12). Two semester hours.*

91, (92).—SEMINAR IN GEOLOGY

Individual problems. Reviews of current literature and reports on selected readings. *Open to Geology minors with consent of the instructor. Either semester may be taken independently. One hour each semester.*

Minor: 18 semester hours, including Geology 11, (12), and 91 (92). Physics 22 may be counted toward minor.

HISTORY

PROFESSOR WING

ASSOCIATE PROFESSORS PFLAUM AND KELLOGG

ASSISTANT PROFESSOR GATES

DR. BRUCHEY AND MR. CARSON

The studies in History are planned to serve three principal purposes: to inform the student of the principal events and developments in the past that he may gain a better perspective of our present world; to present opportunities to obtain training in the techniques of research such as are used by lawyers, scientists, and workers in all advanced fields of study; to supplement the studies in other disciplines, such as English and Classical Literature, the Social Studies, and the humanities and natural sciences, to the end that a better conception is achieved of the relationship of human achievements and that some appreciation is attained of the significance of the varied activities of mankind.

11-(12).—SURVEY OF WORLD HISTORY

The history of civilization from prehistoric times to the present. *Required for major or minor. Six semester hours.*

13.—HUMAN GEOGRAPHY

The course is concerned with the physical conditions under which men live and their development and adjustment. *Two semester hours.*

(14).—HISTORICAL GEOGRAPHY

After a discussion of the history of geographical discovery and the development of geographical science, the course is concerned with the influence of geographical conditions upon historical development and with the uses which historians make of geographical data to interpret historical events and trends. *Prerequisite: A semester course in History. Two semester hours.*

17-(18).—AMERICAN HISTORY

An intensive study of the colonial and national periods of the United States. *Required for major or minor. Six semester hours.*

21, (22).—HELLENIC HISTORY

A study of the Greek people from prehistoric times to the beginning of the Middle Ages. *Not open to Freshmen. Alternates with History 23, (24). To be given 1958-59. Three or six semester hours.*

23, (24).—ROMAN HISTORY

A study of the development of the Roman people from prehistoric times to the beginning of the middle ages. *Not open to Freshmen. Alternates with 21, (22). To be given 1957-58. Three or six semester hours.*

39.—UNITED STATES HISTORY: 1789 TO DATE

A brief course for those who do not enroll in History 17-(18). Emphasis is placed on the major political and economic events and movements. *Open to Juniors and Seniors. To be given 1959-60. Three semester hours.*

43, (44).—ENGLISH HISTORY: 55 B. C. TO DATE

In the first semester the class studies the ancient and mediaeval periods from 55 B. C. to 1660 A. D.; in the second the history of England and the British Empire to the present day. *Not open to Freshmen. Three or six semester hours.*

47.—AMERICAN COLONIAL HISTORY

A survey of English America from 1607 to 1789. *Open to Juniors and Seniors. To be given 1958-59. Three semester hours.*

(48).—HISTORY OF PENNSYLVANIA

The political, economic, and social development of the Commonwealth from the settlement by the Swedes to the present time. *Open to Juniors and Seniors. To be given 1959-60. Three semester hours.*

*49, (50).—AMERICAN SOCIAL AND CULTURAL HISTORY

The social and intellectual developments in the United States from 1763 to 1940. *Open to Juniors and Seniors. Prerequisite: 17-(18). Three or six semester hours.*

55.—RECENT AMERICAN HISTORY

An analysis of the development of the American nation in the period since 1898. *Open to Juniors and Seniors. Prerequisite: 17-(18). To be given 1957-58. Three semester hours.*

(56).—HISTORY OF LATIN AMERICA

The principal topics included are: exploration and colonization of the New World by the Spanish and Portuguese, administrative policies, wars of independence, history of Latin nations in the Western hemisphere during the nineteenth and twentieth centuries, establishment of the Pan American Union, relations of Latin America with the United States and with Europe. *Not open to Freshmen. To be given 1958-59. Three semester hours.*

57.—HISTORY OF THOUGHT IN ANCIENT AND MEDIAEVAL TIMES

The course deals with intellectual history of Europe. Prerequisite: a course in world history or an experimental natural science. *Open to Juniors and Seniors. To be given 1957-58. Two semester hours.*

(58).—HISTORY OF SCIENCE IN MODERN TIMES

Three main developments are considered: increasing scientific information: the development of scientific principles and interpretations; the correlation of scientific ideas with the life of the general population. Prerequisite: a course in world history or an experimental natural science. *Open to Juniors and Seniors. To be given 1957-58. Two semester hours.*

61, (62).—MODERN EUROPEAN HISTORY

The work of the first semester covers the period, 1500-1815; it includes the later phases of the Renaissance, the widening interests of the Europeans in science and discovery, the break with authority in the Protestant Reformation and the economic, social, and political revolutions of the eighteenth century. The work of the second semester covers the period, 1815-1914; it includes the national movements and the economic, social, and cultural developments both in Europe and in the area of the European imperial systems. *Not open to Freshman. Required of majors. Three or six semester hours.*

(70).—RENAISSANCE AND REFORMATION.

The intellectual, artistic, and religious aspects of European history 1300-1660. *Open to Juniors and Seniors. To be given 1958-59. Three semester hours.*

71.—FRENCH REVOLUTION AND NAPOLEON

This course is intended to interpret the French Revolution in its national and European setting, to present the principal events of the period and of the Napoleonic era, and to analyze the significance of the European adjustments in the Congress of Vienna. *Open to juniors and Seniors. To be given 1958-59. Three semester hours.*

73.—HISTORY OF RUSSIA AND ITS NEIGHBORS

The work of the course is devoted to the history of the Slavic peoples of Eastern and Central Europe and their neighbors, in the period 400-1894. *Open to Juniors and Seniors. To be given 1957-58. Three semester hours.*

(74).—HISTORY OF RUSSIA AND ITS NEIGHBORS

This continues the work of History 73 in the period 1894-1958. Special attention is given to the history and institutions of the Soviet Union. *Open to Juniors and Seniors. To be given 1957-58. Three semester hours.*

75, (76).—WORLD WAR II.

The work of the first semester is devoted mainly to the European phases of the war. A study is made of the history of Europe from the First World War to the Second, with special reference to the conditions during the Long

Armistice that led to the conflict. The work of the second semester continues the study of the Second World War and its antecedents with special emphasis on the participation of the United States and Japan in the conflict and in world affairs. The history of antecedent conditions in the Middle and Far East and in the Americas is studied in considerable detail. It is followed with analysis of the post-war conditions and the methods used to insure a just and durable peace. *Required for major. Open to Juniors and Seniors Three or six semester hours.*

81.—DIPLOMATIC HISTORY OF THE UNITED STATES: 1778 TO DATE

A study of the development of American diplomacy and of the leading treaties and conventions to which United States has been a party. Some study is made of bibliography and diplomatic correspondence. *Prerequisite: 17-(18). Open to Juniors and Seniors. To be given 1957-58. Three semester hours.*

83.—HISTORY OF THE NEAR EAST

After a survey of Southeastern Europe and of Southern and Southwestern Asia in the period from 395 to 1500, special attention is given to the relations of the Ottoman Empire and of other Moslem peoples to the European powers in the modern era. *Alternates with History 85. To be given 1959-60. Open to Sophomores, Juniors, and Seniors. Two semester hours.*

(84).—HISTORY OF MEDIAEVAL AND MODERN INDIA

After a survey of the Hindu and Moslem periods of Indian history preceding the British conquest, the work of the course is concerned principally with the history of India and its relations with the British Empire in the past two hundred years, and the assumption of leadership in Asian affairs by Indian statesmen. *Alternates with History (86): to be given 1959-60. Open to Sophomores, Juniors, and Seniors. Two semester hours.*

85, (86).—HISTORY OF THE FAR EAST.

In the first semester a study is made of the original and historical development of the peoples of Eastern Asia and of the Southwestern Pacific from earliest times to the moment that they were drawn into the sphere of European and American interests. The second semester is devoted to the history of the Far East in the past one hundred and twenty-five years and to the problems of this region in relation to the rest of the world. *Alternates with History 83, (84): to be given 1958-1959. Open to Sophomores, Juniors, and Seniors. Two or four semester hours.*

87.—AMERICAN CONSTITUTIONAL HISTORY

A study of the process by which the American Federal Constitution was framed and a narrative account of its historical development with emphasis upon the forces that brought about changes and on the evolving interpretations of the constitution by the courts. *Prerequisite: 17-(18). Open to Juniors and Seniors. To be given 1958-59. Three semester hours.*

(88).—AMERICAN HISTORY IN THE CIVIL WAR PERIOD

A study of the middle period of American history from 1840 to 1880 with special reference to the Civil War. *Open to Juniors and Seniors. To be given 1958-59. Three semester hours.*

***91, (92).—HISTORY SEMINAR**

The work of the first semester is devoted to instruction in the technique of historical research, and forms an introduction to graduate studies. This may be taken separately. The work of the second semester is devoted to special problems. *Open to approved Juniors and Seniors. Two or four semester hours.*

101- (102).—HONORS COURSE

(See Index). *Six semester hours.*

Major: Thirty semester hours, including History 11-(12), 17-(18), 61, (62), 75, (76)

Minor: Eighteen semester hours, including History 11-(12) and 17-(18).

LAW

The pre-legal student may adopt a combined College-Law program in association with the Dickinson School of Law. For a detailed description of this program see index.

MATHEMATICS

PROFESSOR AYRES

ASSOCIATE PROFESSOR NELSON

ASSISTANT PROFESSORS HAMMATT AND BENSON

Mathematics is generally regarded as one of the best preparations for those professions which require accuracy and precise thinking. Calculus and Statistics are basic for advanced work in Economics, Psychology, Sociology, and the Biological Sciences; Calculus and Differential Equations are basic for advanced work in the Physical Sciences. A major in Mathematics may use his knowledge in engineering, in actuarial work, in civil service employment of various kinds, in industrial and business positions, and in teaching mathematics in secondary schools and colleges.

For those who are inadequately prepared for college mathematics, the Department offers remedial work in algebra each semester.

1-(2).—GENERAL MATHEMATICS

A study of linear, quadratic, power, exponential, logarithmic, and trigonometric functions; simple and compound interest; empirical equations; elements of statistics. *Designed primarily as a terminal course. Six semester hours.*

3-(4).—INTRODUCTION TO MATHEMATICAL ANALYSIS

A course combining algebra, trigonometry, and analytical geometry. *Designed for students who will continue in mathematics. Ten semester hours.*

5.—INTRODUCTION TO MATHEMATICAL ANALYSIS

Open to pre-medical and pre-dental students only. *Given each semester. Five semester hours.*

21-(22).—CALCULUS I, II

The standard formulas of differentiation and integration with applications. *Prerequisite: Mathematics 3-(4). Six semester hours.*

23-(24).—STATISTICS

Introduction to standard methods of statistical analysis: measure of central tendency and dispersion, proportions, estimation and testing hypotheses, regression and correlation, chi-square tests, analysis of variance, index numbers, and time series. *Not open to freshmen. Six semester hours.*

31.—CALCULUS III

A continuation of Mathematics 21-(22): improper integrals, series, partial differentiation, double and triple integrals with applications. *Three semester hours.*

(32).—DIFFERENTIAL EQUATIONS

A study of ordinary differential equations of the first and second orders, and linear equations of higher orders with applications. *Prerequisite: Mathematics 21-(22). Three semester hours.*

41.—ANALYTICAL GEOMETRY OF SPACE

A study of the plane and the quadric surfaces. *Prerequisite: Mathematics 21-(22). To be given 1957-58. Three semester hours.*

51.—PROJECTIVE GEOMETRY

A synthetic and analytic treatment of projectivities, involutions, point and line conics. *Open to juniors and seniors with credit in Mathematics 3-(4). To be given 1958-59. Three semester hours.*

(52).—INTRODUCTION TO MODERN ALGEBRA

A continuation of Mathematics 3-(4), with particular attention to matrix. *Open to juniors and seniors. To be given 1958-59. Three semester hours.*

(54).—THEORY OF EQUATIONS

A continuation of Mathematics 3-(4), with particular attention to the solution of equations. *Prerequisite: Mathematics 21-(22). To be given 1957-58. Three semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

NOTE: The mathematics requirement for the degree of Bachelor of Science may be satisfied by Mathematics 1-(2), Mathematics 3-(4), or for pre-medical and pre-dental students by Mathematics 5.

Major: 24 semester hours, including Mathematics 31 and (32).

Minor: 12 semester hours.

MILITARY SCIENCE AND TACTICS

PMST: LIEUTENANT COLONEL GEORGE W. EASON

ASST. PMST: CAPTAIN FRANK M. MOORE AND
CAPTAIN JOHN D. SCANDLINGENLISTED INSTRUCTORS: MASTER SERGEANTS STREET, CONTE,
REGAN, KENT; SERGEANT FIRST CLASS BAYNES.

1-(2)—MILITARY SCIENCE I

School of the soldier; organization of the Army and ROTC; Individual weapons and marksmanship; American military history. *Two hours per semester.*

10-(11).—MILITARY SCIENCE II

School of the soldier; Map reading and ariel photography; Crew-served weapons. *Two hours per semester.*

20-(21).—MILITARY SCIENCE III

Leadership; Military teaching methods (first aid, military sanitation and marksmanship); Organization, function and missions of the arms and services; Small Unit tactics and communications; School of the soldier and exercise of command. *Three hours per semester.*

30-(31).—MILITARY SCIENCE IV

Operations (command and staff, estimate of the situation, combat orders, the military team, training management); Logistics; Personnel management (military administration, military justice); Service orientation (role of the United States in world affairs and the present world situation, leadership, officer indoctrination) School of Soldier and exercise of command. *Three hours per semester.*

Enrollees successfully completing MS III will attend camp for six weeks under direct Army supervision during the summer between their junior and senior years.

NOTE: Except in special circumstances, students who enroll, either in the Basic Course (Military Science I & II) or in the Advanced Course (Military Science III & IV), must successfully complete the two-year course in which they enroll in order to graduate.

MODERN LANGUAGES AND LITERATURES

PROFESSORS GRIMM, TAINTOR, AND SANDELS

ASSOCIATE PROFESSORS WEIGEL, KENNEDY, AND KIRK

ASSISTANT PROFESSOR RAMOS

DR. MAGUIRE AND MR. ARNOLD

The courses in Modern Languages are designed to provide a well-balanced training in the language and literature for those who elect a major or minor in the Department. Those who do not wish to meet the requirements for a major or minor may elect any course for which they

have the prerequisites as stated in the description of the courses. Work in the Language Laboratory is required for the 31, (32) and 41,(42) courses, and is strongly recommended for the other courses.

French

1-(2).—ELEMENTARY FRENCH

Thorough drill in grammar. Special attention given to pronunciation and oral work. Composition. Readings of increasing difficulty. *Eight semester hours.*

11-(12).—INTERMEDIATE FRENCH

Grammar review. Reading and composition. Emphasis on oral work. *Prerequisite: French 1-(2), or the equivalent. Eight semester hours.*

23, (24).—READING COURSE

Readings from 19th and 20th century French authors. The course is designed for those students who wish to acquire greater facility in reading the language. It does not count towards a Major or a Minor. *Prerequisite: French 12, or the equivalent. Two or four semester hours.*

31, (32).—FRENCH CONVERSATION AND COMPOSITION

The chief aim of this course is to teach the student to speak and understand the language. Pronunciation is taught and corrected by phonetic transcription. Grammar review and composition. Course conducted partly in French. *Prerequisite: French 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

33, (34).—SURVEY OF FRENCH LITERATURE

Rapid reading of masterpieces of French literature. *Prerequisite: French 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

41, (42).—ADVANCED FRENCH CONVERSATION AND COMPOSITION

A continuation of French 31, (32). Course conducted in French. *Prerequisite: French 32, or the equivalent, with a grade of at least C. Three or six semester hours.*

51, (52).—FRENCH LITERATURE OF THE SEVENTEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1957-58. Three or six semester hours.*

53, (54).—FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1958-59. Three or six semester hours.*

55, (56).—FRENCH LITERATURE OF THE NINETEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1958-59. Three or six semester hours.*

57, (58).—FRENCH LITERATURE FROM 1900 TO THE PRESENT

Reading and discussion of representative works of the important writers of the period. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1957-58. Three or six semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

To elect a major or minor, a student must have attained an inclusive average of at least 2.00 in all French courses taken in college.

Major: French 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses numbered above 50.

Minor: French 11-(12), 31, (32), and 33, (34).

German

1-(2).—ELEMENTARY GERMAN

Study of the fundamentals of German grammar. Reading of short stories and poetry of increasing difficulty. Emphasis on oral expression. *Eight semester hours.*

11-(12).—INTERMEDIATE GERMAN

Review of the fundamental principles of grammar. Intensive reading of prose and poetry of increasing difficulty, with emphasis on vocabulary building. Oral practice based on material read. *Prerequisite: German 1-(2), or the equivalent. Eight semester hours.*

23, (24).—READING COURSE

Readings from 19th and 20th century German authors. The course is designed for those students who wish to acquire greater facility in reading the language. It does not count towards a Major or a Minor. *Prerequisite: German 12, or the equivalent. Two or four semester hours.*

31, (32).—GERMAN CONVERSATION AND COMPOSITION

Training in speaking and writing of everyday German. Intensive review of grammar; course conducted partly in German. *Prerequisite: German 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

33, (34).—SURVEY OF GERMAN LITERATURE

An introduction to German literature presenting its development from the earliest period to the present time. Lectures on readings from representative works. *Prerequisite: German 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

41, (42).—ADVANCED GERMAN CONVERSATION AND COMPOSITION

A continuation of German 31, (32). Course conducted in German. *Prerequisite: German 32, or the equivalent, with a grade of at least C. Three or six semester hours.*

61, (62).—GOETHE AND SCHILLER

Reading in Goethe's poems and major prose works during the fall session. The spring session is devoted to Schiller's ballads, dramas, and prose writings. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1957-58. Three or six semester hours.*

65.—THE GERMAN LYRIC

A survey of German lyric poetry from its origins to the present. Reading and discussion of representative authors. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1958-59. Three semester hours.*

(66).—THE GERMAN DRAMA

The development of the German drama from the mediaeval mystery plays to the dramatic productions of modern times. Reading and interpretation of representative dramas. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1958-59. Three semester hours.*

67.—THE GERMAN SHORT STORY

The development of the *Novelle* from Goethe to Thomas Mann, with special emphasis on the authors of Romanticism, Poetic Realism, and modern literary movements. Reading and discussion of representative *Novellen*. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1959-60. Three semester hours.*

(72).—HISTORY OF THE GERMAN LANGUAGE

A study of the various periods of the language, with special emphasis on the development of forms and meanings and the influence of individual men and historical circumstances. *Prerequisite: German 12, or the equivalent, with a grade of at least C. To be offered 1959-60. Three semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

To elect a major or minor, a student must have attained an inclusive average of at least 2.00 in all German courses taken in college.

Major: German 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses numbered above 50.

Minor: German 11-(12), 31, (32), and 33, (34).

Spanish

1-(2).—ELEMENTARY SPANISH

Thorough drill in grammar. Special attention given to pronunciation and oral work. Composition. Readings of increasing difficulty. *Eight semester hours.*

11-(12).—INTERMEDIATE SPANISH

Grammar review. Reading and Composition. Emphasis on oral work. *Prerequisite: Spanish 1-(2), or the equivalent. Eight semester hours.*

23, (24).—READING COURSE

Readings from 19th and 20th century Spanish authors. The course is designed for those students who wish to acquire greater facility in reading the language. It does not count toward a Major or a Minor. *Prerequisite: Spanish 12, or the equivalent. Two or four semester hours.*

31, (32).—SPANISH CONVERSATION AND COMPOSITION

The chief aim of this course is to teach the student to speak and understand the language. Pronunciation is taught and corrected by phonetic transcription. Grammar review and composition. Course conducted partly in Spanish. *Prerequisite: Spanish 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

33, (34).—SURVEY OF SPANISH LITERATURE

Rapid reading of masterpieces of Spanish literature. *Prerequisite: Spanish 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

41, (42).—ADVANCED SPANISH CONVERSATION AND COMPOSITION

A continuation of Spanish 31, (32). Course conducted in Spanish. *Prerequisite: Spanish 32, or the equivalent, with a grade of at least C. Three or six semester hours.*

51, (52).—SPANISH LITERATURE OF THE GOLDEN AGE

Reading and discussion of representative works of the important writers of the Golden Age. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. To be offered 1957-58. Three or six semester hours.*

55, (56).—SPANISH LITERATURE OF THE NINETEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent with a grade of at least C. To be offered 1958-59. Three or six semester hours.*

57, (58).—SPANISH LITERATURE FROM 1900 TO THE PRESENT

Reading and discussion of representative works of the important writers of the period. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. To be offered 1957-58. Three or six semester hours.*

71, (72).—SPANISH-AMERICAN LITERATURE

A course designed to give the student a survey of Spanish-American literature and civilization and an introduction to some of the more important authors from the colonial period to the present. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. To be offered 1958-59. Three or six semester hours.*

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

To elect a major or minor, a student must have attained an inclusive average of at least 2.00 in all Spanish courses taken in college.

Major: Spanish 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses numbered above 50.

Minor: Spanish 11-(12), 31, (32), and 33, (34).

MUSIC

PROFESSOR SCHECTER

DR. ULTAN

*11, (12).—HARMONY

A study of the harmonic principles of music essential to an understanding of this art. Notations, intervals, rhythms, tonality; simple four-part writing, through diatonics and altered chords; keyboard harmony in latter part of course. *Previous training in music not necessary. Six semester hours.*

*21, (22).—SIGHT READING AND DICTATION

Reading unfamiliar music at sight. Introduction to tonality, two- and three-part dictation and reading. *Previous training in music not necessary. Four semester hours.*

41.—FORMS IN MUSIC

Includes a study of the growth of music and an analysis of its forms. *Open only to juniors and seniors. Previous training in music is not necessary. Two semester hours.*

(42).—THE HISTORY OF MUSIC

Includes a study of eleven great composers. *Open only to juniors and seniors. Previous training in music is not necessary. Two semester hours.*

PHILOSOPHY AND RELIGION

PROFESSOR GOULD

ASSISTANT PROFESSOR BURKLE

MR. WELLS

Courses offered in this department are designed to help students gain a comprehensive view of life and the universe, think constructively about the central problems of life, and acquire an appreciative awareness of vital expressions of religion.

11 or (11).—INTRODUCTION TO PHILOSOPHY AND RELIGION

A survey of the chief fields of philosophy with special attention given to the influences of the physical and social sciences and to the relationship between philosophy and religion. Problems studied include the interpretation of nature, the sources of knowledge, the nature of reality, and the great ends of life. *Three semester hours.*

15 or (15).—INTRODUCTION TO THE BIBLE

A survey course which aims to assist the student in a scholarly approach to the Bible, the use of commentaries and related material, interpretation of texts, questions of authorship, history, validity, and religious values. The course centers in the Old Testament in its historical and literary setting, with special reference to its ethical and spiritual content. *Three semester hours.*

17.—THE WISDOM LITERATURE OF THE OLD TESTAMENT

A study of the Hebrew religion in its reflective stage; the problem of evil and suffering as set forth in Job; the pessimism and scepticism of Ecclesiastes; the ethics of Proverbs, dealing with the successful management of life. *Prerequisite: Philosophy 15. Alternates with Philosophy 19. To be given 1957-58. Three semester hours.*

19.—THE HEBREW PROPHETS

A study of the origin and development of the prophetic movement in Israel; the historical background of each prophet; the prophetic criticism of life; the central ideas of each prophet; the relevance and significance of the prophets for the life of today. *Prerequisite: Philosophy 15. Alternates with Philosophy 17. To be given 1958-59. Three semester hours.*

21.—THE LIFE AND TEACHINGS OF JESUS

The course centers in the religious and ethical insights of Jesus in their historical setting and in their contemporary relevance. A critical study of the Gospels is made and selected biographies of Jesus are read. *Three semester hours.*

23, (24).—HISTORY OF CHRISTIAN THOUGHT

A study of the ideological development of Christianity from its beginning to the present. Special emphasis is placed on the philosophic influences of the various periods as they relate to the unfolding of Christian concepts. *Alternates with Philosophy 27, (28). To be given 1957-58. Three or six semester hours.*

27.—PSYCHOLOGY OF RELIGION

An examination of the mental processes involved in religious experience. Special attention is given to the nature of religion, religious attitudes of childhood and adolescence, conversion, worship, prayer, mysticism, the sense of sin and forgiveness, and the belief in God and immortality. *Alternates with Philosophy 23. To be given 1958-59. Three semester hours.*

(28).—THE FAITHS OF MANKIND

A study of the origin and growth of religion, including an examination of primitive religion, followed by an outline study of the great religions of the world. Special emphasis is given the principal living religions. *Alternates with Philosophy (24). To be given 1958-59. Three semester hours.*

31.—ETHICS

A study of the beginnings and growth of morality, the theories of moral life, and the application of these theories in the world of action. Discussion of specific problems arising in everyday life of the individual and the group in a democracy. *Three semester hours.*

(32).—LOGIC

A study of the principles and conditions of correct thinking. A careful examination is made of the nature of proof and the detection of fallacies. The laws of correct reasoning, deductive and inductive, are applied to thinking in everyday life. In the latter part of the course the methods of scientific investigation receive special attention. *Three semester hours.*

33, (34).—PHILOSOPHY AND LIFE OF THE ORIENT

The Oriental outlook on life contrasted with the Occidental. The first semester is devoted to a study of the culture, philosophy, and life of the people of India and Malaysia. During the second semester similar attention is given to China and Japan. *Two or four semester hours.*

(36).—AESTHETICS

A study of the more significant classical and modern approaches to the philosophy of art with particular reference to their intellectual and psychological backgrounds. *Open to juniors and seniors. Alternates with Philosophy (40). To be given 1957-58. Three semester hours.*

39.—PHILOSOPHY OF SCIENCE

A study of the philosophical implications of the natural sciences. The major findings of science are analyzed to discover what they suggest for a philosophical understanding of nature, man, and deity. *Prerequisite: Philosophy 11 or a science major. Open to juniors and seniors. Alternates with Philosophy 51. To be given 1958-59. Three semester hours.*

(40).—PHILOSOPHY OF RELIGION

The application of the philosophic method to the problem of God, human personality, immortality, etc. Religion is studied and evaluated in terms of its affinity with the whole of life experience. *Open to juniors and seniors. Alternates with Philosophy (36). To be given 1958-59. Three semester hours.*

41.—ANCIENT AND MEDIAEVAL PHILOSOPHY

The successive philosophical systems from the Greeks down to the fall of Constantinople. Emphasis is placed on direct acquaintance with the writings of the various authors and on their permanent contributions to Western culture. *Prerequisite: Philosophy 11. Open to juniors and seniors. Three semester hours.*

(42).—MODERN PHILOSOPHY

A study of the development of philosophy from 1453 to the present time. Special emphasis is placed on the works of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, and Kant. *Prerequisite: Philosophy 11. Open to juniors and seniors. Three semester hours.*

(48).—CONTEMPORARY PHILOSOPHY

An intensive study of the philosophies of William James, A. N. Whitehead, John Dewey, George Santayana, Henri Bergson, and the schools of neo-scholasticism, existentialism, and logical positivism. *Prerequisite: Philosophy 11. Open to juniors and seniors. Three semester hours.*

51.—THE PHILOSOPHY OF PLATO

A study of Plato's philosophic system with special emphasis on his metaphysics, epistemology, and political views. While the *Republic* is used as the basic text, other dialogues are also studied in the course. *Prerequisite: Philosophy 11. Open to juniors and seniors. Alternates with Philosophy 39. To be given 1957-58. Three semester hours.*

53.—AMERICAN PHILOSOPHY

Down to Contemporary Philosophy. A consideration of characteristic points of view regarding three major problems: the philosophy of culture, the philosophy of science, and the philosophy of religion. *Prerequisite: Philosophy 11. Open to juniors and seniors. Three semester hours.*

95, (96).—SEMINAR

Open to advanced students, especially those majoring in philosophy. With permission of the Chairman of the Department. One or two semester hours.

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

Major in Philosophy: Thirty semester hours, including 11, 31,(32), 41, (42), and (48).

Minor in Philosophy: Eighteen semester hours, including 11, 41, and 42.

NOTE: Philosophy 15, 17, 19, and 21 do not count toward satisfaction of the requirements for either a Major or a Minor in Philosophy. Sociology 76 may be counted toward these requirements. The only courses in Philosophy and Religion that may be elected by freshmen are 11 and 15.

PHYSICAL EDUCATION

ASSISTANT PROFESSORS EAVENSON, WAGNER, AND PIEZ

MR. DU CHARME

Physical education is required of all men and women. This work is scheduled in the freshman and sophomore years, two hours per week, and earns one credit for each of four semesters. In the case of a transfer student, proof of satisfactory completion of the equivalent must be presented to the head of the department. Four credits are required for graduation.

The work is under the supervision of the Chairman of the Department of Physical Education. The work is composed of instruction and practice in team and individual sports. The sports are of a nature that will have a definite carry-over value. Golf, tennis, badminton, handball, swimming, etc., comprise the individual group. Touch football, speedball, basketball, softball, baseball, etc., comprise the team group. A student has one period of individual and one period of team activities per week.

Those students recommended by their physician not to take part in active physical education classes are assigned to the "Sports Appreciation" classes where techniques, rules, history, etc., of the activities are taught.

PHYSICS

PROFESSOR ANDREW

ASSOCIATE PROFESSOR RIPLEY

ASSISTANT PROFESSORS, SIA AND BENSON

The Department of Physics aims, in all of its courses, to develop in the student an understanding of the basic phenomena of the physical environment and the ability to use rigorous quantitative methods in their description and organization.

Three introductory courses are offered: elements of physics, designed to provide to liberal arts and pre-medical students, as well as to science majors, a knowledge of basic principles and training in methods of analysis, laboratory techniques, and report writing; atomic physics, which systematically sets forth the most important modern developments in physics; and astronomy, which not only provides one aspect of cosmology but also constitutes an excellent example of the reach and the power of the human mind in applying the methods of physics and mathematics.

For those students seeking to pursue work in the physical sciences, mathematics, or engineering, the department offers a series of advanced courses selected to provide the broad background and to develop the ana-

lytical skill required for graduate or professional study. The laboratory work in these courses is designed to acquaint the student with the experimental techniques and to give him experience in the interpretation and communication of the observed results.

11-(12).—ELEMENTS OF PHYSICS

An introduction to the study of the physical sciences, including mechanics, heat, sound, light, electricity, and magnetism. The nature of measurement, experimental verification, and methods of analysis are emphasized in problem work and in laboratory reports. *Lecture-demonstration and recitation, three hours; laboratory, two hours. Prerequisite: Math 3-(4) Eight semester hours.*

19.—ATOMIC PHYSICS

A systematic study of the structure of matter in the light of modern theory, including radioactivity and its measurement, the elementary particles, atomic structure, mass-energy relationships, radio-isotopes and their uses, the laws of radioactive decay, and cosmic rays. *Lecture and recitation, Prerequisite: Physics 11-(12). Two semester hours.*

19L.—ATOMIC PHYSICS LABORATORY

A laboratory course supplementing Physics 19 which includes measurements of e/m and the charge of an electron, nuclear counter measurements, and ionization measurements of radioactive materials. *Laboratory, two hours. Prerequisite: Mathematics 21-(22) and concurrent registration in Physics 19. One semester hour.*

(22).—ASTRONOMY

A study of celestial bodies, including distance, size, motion, and characteristics of planets, stars, and nebulae, and theories regarding their origin and evolution. (*May not be counted for credit toward a physics major or minor*) *Lecture, recitation, and occasional field observation. In alternate years; to be given 1957-58. Two semester hours.*

24L.—MECHANICAL DRAWING

Theory and practice of mechanical drawing; lettering, use of instruments; orthographic projections; sectioning; isometric, oblique, and perspective drawings; developments and intersections. (*May not be counted for credit toward a physics major or minor.*) *Six hours of drawing. Prerequisite: Plane Geometry. Three semester hours.*

*25, (26).—ANALYTICAL MECHANICS

A study of geometry, kinematics, and dynamics. An introductory treatment of vector algebra and vector calculus is given at the beginning of the course and used throughout. Topics treated include; falling bodies, equilibrium of particles and rigid bodies, centers of mass, moments and products of inertia, work and energy, power, simple and damped harmonic motion, forced vibrations, and wave motion. An attempt is made to give the student practice and facility in developing mathematical formulae and in translating mathematical symbols into physical ideas and vice versa. *Prerequisite: Physics 11-(12) and Mathematics 21-(22). In alternate years; to be given 1957-58. Three or six semester hours.*

***27, (28).—ELECTRONICS**

A study of the fundamental principles and applications of the emission and control of electrons by thermionic tubes, transistors, and other electron devices. The laboratory work includes radio frequency measurements, work with thermionic tubes, thermistors, transistors, resonant circuits, amplifiers, oscillators and transient response of circuit elements. *Lecture and recitation, two hours per week; laboratory, two hours per week. Prerequisite: Physics *31, (32). Three or six semester hours.*

***31, (32).—ELECTRICITY AND MAGNETISM**

The fundamental principles of direct and alternating current theory; electrical and magnetic units and measuring instruments; inductance and capacitance; the time constant; alternating and direct current circuits and networks; vector representation; transient currents; elementary field theory; Maxwell's equations. The laboratory work includes measurements with various bridges, the ballistic galvanometer, potentiometer, and thermocouple. *Lecture and recitation, two hours; laboratory, two hours. Prerequisite: Physics 11-(12), Mathematics 21 (22), and completion of, or concurrent registration in, Mathematics 31 (32). Three or six semester hours.*

(36).—NUCLEAR PHYSICS

The theory of nuclear structure and application to engineering, including nuclear cross-section, thermal and fast neutron reactions, elementary pile theory and construction, and recently discovered particles. The laboratory work is a continuation of that described under Physics 19L. *Lecture and recitation, two hours; laboratory, two hours. Prerequisite: Physics 19 and 19L, and Mathematics 21-(22). Three semester hours.*

***43, (44).—OPTICS**

A study of the fundamental nature of light, including geometrical and physical optics. Applications in the field of optical instrumentation are stressed along with the contributions which the study of light has made to recent developments in physics. The laboratory work consists of the study of aberrations of lenses, use of prisms and lenses in simple optical systems, calibration of spectrometers, the study of interference, diffraction, and polarization. *Lecture and recitation, two hour; laboratory, two hours. Prerequisite: Physics 11-(12) and Mathematics 21-(22). In alternate years; to be given 1958-59. Three or six semester hours.*

101-(102).—HONORS COURSE

(See Index.) *Six semester hours.*

Major: 30 hours, including Physics *25, (26) and excluding Physics 22 and 24L.

Minor: 18 hours, excluding Physics 22 and 24L.

POLITICAL SCIENCE

PROFESSOR TAYLER

ASSOCIATE PROFESSOR FLOWER

ASSISTANT PROFESSORS FLAHERTY AND HARPER

MR. STONE AND MR. SMITH

The Department of Political Science aims to give students an understanding of the political and administrative problems of government and the responsibilities of citizenship. The approaches are both theoretical and practical; the areas are local, national and international. The two areas offered for concentration are Government and International Affairs. A number of students with majors and minors in political science enter fields of law, government and international organizations. Whether or not these courses, oriented into a liberal arts curriculum, are to be used as specialized training, the emphasis in all the courses offered by the department is upon the fundamental principles underlying enlightened citizenship.

1-(2).—SOCIAL SCIENCE

Introduction to Social Science. An integrated course in the social sciences which applies the methods of economics, political science, and sociology to the major aspects of present-day society. *Required of all freshmen enrolled in the Bachelor of Arts curriculum. Six semester hours.*

Political Science

9-(2) or equivalent. *Three semester hours.*

Description of structure and operation of the American system of government. Comparison of Federal and State governments. *Given each semester. Not open to freshmen. Basic course for Political Science majors and minors. Six semester hours.*

30.—THE CITY

An analysis of social, economic, and political aspects of control in contemporary city life. Case studies of several United States metropolitan communities will provide course content, with emphasis to be given to study of existing municipal methods for planning. Taught jointly by a political scientist and a sociologist. *Also called Sociology 30. Prerequisite: Social Science 1-(2) or equivalent. Three semester hours.*

33.—MUNICIPAL GOVERNMENT AND ADMINISTRATION

The organization and functions of municipal government; recent remedial movements. Taxation; property assessment; police and fire administration; planning and zoning; fiscal procedures; local ownership of utilities. *Prerequisite: Political Science 11-(12). Not to be given 1957-58. Three semester hours.*

35.—PUBLIC ADMINISTRATION

Major characteristics and problems of the Presidency. The growth of public administration; major problems and trends; types of administrative functions and organizations; foundations of administrative law; forms of administrative action; the problem of responsibility; fiscal and personnel administration, and other types of administrative control. *Prerequisite: Political Science 11-(12). Three semester hours.*

36, (38).—COMPARATIVE GOVERNMENT

A study of the nature, organization, and operation of a modern European government. The first term places major emphasis on Great Britain and the USSR, while the second semester stresses France, Germany and Italy. *Prerequisite: Political Science 11-(12) or permission of the instructor. The student may take either or both semesters. Three or six semester hours.*

37.—INTERNATIONAL RELATIONS

An examination of the basic factors affecting relations between states, such as economic, geographic and demographic; the evolution of international relations and the place of power politics in the modern world. *Three semester hours.*

(40).—PROBLEMS OF STATE GOVERNMENT

Study of Pennsylvania State Legislature while in session, focusing attention on interest-group representation and legislative procedures. Study also of judicial and state administration. *Prerequisite: Political Science 11-(12). To be given in 1957-58. Three semester hours.*

41.—AMERICAN POLITICAL THOUGHT

The development of political ideas in America stressing foreign influences on early Colonial thought and those which were indigenous to the growth of American Democracy. Colonial political ideas, the development of the Constitution, the Federalist Papers, State Rights philosophy vs. centralized government and contemporary interpretations are studied. *Prerequisite: Political Science 11-(12), History 17-(18) desirable; or permission of the instructor. Three semester hours.*

(44).—INTERNATIONAL ORGANIZATION

A treatment of the organizations through which states have dealt with their common problems in the past; the League of Nations, World Court, International Labor Organization with emphasis on the organization of the post-war world; the United Nations and specialized agencies. *Three semester hours.*

*45, (46).—CONSTITUTIONAL LAW

Analysis of leading Supreme Court interpretations of the Constitution. Emphasis on concepts of judicial review; separation of powers; federalism; interstate commerce; obligation of contracts; due process; equal protection of the laws; political and religious liberty. Introduction to legal research. *Prerequisite: Political Science 11-(12). Three or six semester hours.*

(48).—FAR EASTERN GOVERNMENTS AND POLITICS

The political systems of China and Japan are considered. Major emphasis is put upon the rise and destruction of totalitarianism in Japan, upon revolution in China, and upon the problems arising from the political, economic, and social reconstruction of the Far East. The role of United States of America, British, and Russian interests and policies in the Far East are examined. *In alternate years; to be given in 1957-58. Three semester hours.*

51.—LATIN AMERICAN GOVERNMENTS

A study of the constitution and governments of Latin America with special emphasis on Argentina, Brazil, Chile, and Mexico. *Three semester hours.*

(52).—INTER-AMERICAN RELATIONS

An analysis of nineteenth and twentieth century Pan-American relations with special emphasis on Inter-American cooperation during World War II, and the operation of the Organization of American States. *Three semester hours.*

53.—EVOLUTION OF POLITICAL THOUGHT

Development and analysis of significant political ideas from the Greek City-State to the eighteenth century. Contributions to modern ideas and trends in government. *Three semester hours.*

(54).—RECENT POLITICAL THOUGHT

Examination of significant political thought concerning the origin, nature, and functions of the State from the Age of Reason to the present. Socialism, Fascism, and Democracy. Emphasis on the conflict between Democracy and Authoritarianism. *Three semester hours.*

(56).—PUBLIC OPINION AND PROPAGANDA

The formation and control of public opinion in a democracy. Analysis of mass communication (press, radio, film, and TV); propaganda techniques; the causation of social attitudes, and problems of public-opinion polling. *Also called Sociology 56. Prerequisite: six hours of Political Science or six hours of Sociology. Three semester hours.*

57.—POLITICAL PARTIES

Party system in the United States; strengths and weaknesses; functions and techniques of political parties; the electorate; government and political parties; political parties and pressure groups. *Prerequisite: Political Science 11-(12). Three semester hours.*

(60).—MECHANICS OF AMERICAN FOREIGN POLICY

An analysis of the machinery through which foreign policy is formed and executed, including a topical study of courses of action open to the United States; non-entanglement; the Good-Neighbor policy; the Monroe Doctrine; the policy of the United States as a member of the United Nations. *Three semester hours.*

61 or (61).—PROBLEMS OF AMERICAN GOVERNMENT

Basic problems of American Government in relation to national and international events. Designed for non-majors and non-minors in Political Science, the course is intended not only to acquaint students with government organization, but also to reveal problems faced by our government in changing situations. *For juniors and seniors who have not had Political Science 11-(12). Three semester hours.*

(64).—INTERNATIONAL LAW

A study of the fundamental principles of law governing the conduct between states, especially as interpreted and applied by the United States. *Three semester hours.*

95 or (96).—SEMINAR

A research and conference course required of all senior majors. Given by members of the department. Three semester hours.

101-(102).—HONORS COURSE

(See Index). *Six semester hours.*

Major: 30 semester hours.

Required: Pol. Sci. 11-(12); 53 or (54); 95 or (96) and one course from each of the following groups:

Group 1: Pol. Sci. 33, 35, (41), 45 or (46), 50, 57.

Group 2: Pol. Sci. 30, 36, (38), 51, (56), (60).

Group 3: Pol. Sci. 37, (40), (44), (48), (52), (64).
Remaining nine hours optional.

Minor: 18 semester hours, including Pol. Sci. 11-(12).

PSYCHOLOGY

See Education and Psychology

PUBLIC SPEAKING

PROFESSOR SCHECTER

MR. BRUBAKER

The courses in public speaking are directed toward improvement in verbal communication and toward the development of greater self-assurance and ease in social and professional situations. No major or minor is offered.

*23, (24).—ARGUMENTATION AND DEBATE

First semester: The psychology and techniques of persuasive speaking; emphasis on the preparation and delivery of persuasive speeches. Second semester: The theory of formal debating; emphasis on participation in classroom debates. *Three or six semester hours.*

33.—PUBLIC SPEAKING

The theory of and practice in the fundamentals of public speaking. *Open only to juniors and seniors. Sections limited to 15. Two semester hours.*

51.—ADVANCED PUBLIC SPEAKING

A continuation of Public Speaking 33, with emphasis on speech composition. *Two semester hours.*

SOCIOLOGY

PROFESSOR KEPNER

MR. DENTLER AND MISS LIVERMORE

The Department of Sociology seeks to help students understand themselves and human society. In the search for valid explanations of social behavior, students are encouraged to make their own empirical observations and analyses, as well as to study tested research findings and theories. Special programs are arranged for those who are preparing for graduate work, for those who are contemplating social work or public welfare, and for those who expect to deal with human relations in government, law, business, the ministry, or private organizations.

1-(2).—SOCIAL SCIENCE

Introduction to Social Science. An integrated course in the social sciences which applies the methods of economics, political science, and sociology to the major aspects of present-day society. *Required of all freshmen enrolled in the Bachelor of Arts curriculum. Six semester hours.*

SOCIOLOGY

30.—THE CITY

An analysis of social, economic, and political aspects of control in contemporary city life. Case studies of several United States metropolitan communities will provide course content, with emphasis to be given to study of existing municipal methods for planning. Taught jointly by a sociologist and a political scientist. *Also called Political Science 30. Prerequisite: Social Service 1-(2) or equivalent. Three semester hours.*

31, (32).—PRINCIPLES OF SOCIOLOGY

SEMESTER I: An introductory survey of general sociology, including culture and personality, social classes, communities and primary groups, population trends and human ecology, social institutions and forms of social interaction.

Critical study of the major sociological concepts, based upon research findings and theoretical analyses. Intensive readings in sociological literature. *Prerequisite for Sociology 32: normally Sociology 31, but students with grade of C or higher in Social Science (2) may substitute for Sociology 31: Sociology 30, 34, or 57. Three or six semester hours.*

33.—GROUP DYNAMICS

Study of small group behavior, with emphasis upon varieties of group structure, leadership and quality of performance. Some practice in group problem solving and experimentation with techniques for improving performance. *Prerequisite: Sociology (32), or Psychology 11-12. In alternate years; to be given 1957-58. Three semester hours.*

34.—CULTURAL ANTHROPOLOGY

A study of cultural variability and human oneness, including human evolution, race, geographic limitations, ethnology, linguistics, cultural change, personality in relation to culture, and the application of anthropological insights to American society and intercultural relations. *Prerequisite: Sociology 31 or Social Science 9-(10). In alternate years; to be given 1958-59. Three semester hours.*

35-(36).—INTRODUCTION TO SOCIAL WORK

An introductory survey of various types of private and public agencies; outstanding historical developments; legislation for public welfare; and fundamental principles and approved methods in case work, group work, and community organization. Field trips are taken to social agencies. *Prerequisite: Sociology 15 or 31, or Psychology 11-(12), or grade of C or higher in Social Science (2). Four semester hours.*

35L, (36L).—SUPERVISED FIELD WORK

Practical experience in serving agencies in Harrisburg, Carlisle, and vicinity. Students will work under the supervision of the instructor and of the agency supervisor. *May be elected by competent students concurrently enrolled in Sociology 35-(36). Four hours one afternoon a week. One or two semester hours.*

(47)..—CRIMINOLOGY

The nature, causation and treatment of delinquency and crime. Examination of case histories and statistical studies. Consideration of proposals for the prevention of crime and the improvement of penal procedures. Field trips. *Limited to juniors and seniors, except by permission of the instructor. Three semester hours.*

(50).—SOCIOLOGY OF THE STATE

Social forces affecting the origin of the state and divergent lines of political development. Comparisons between democracy and other political systems in respect to quality of participation, the development of personality, social control, social change, and the politico-economic institutional complex. The state in international relations. *Also called Political Science 50. Prerequisite: Sociology (32). Three semester hours.*

(56).—PUBLIC OPINION AND PROPAGANDA

The formation and control of public opinion in different societies. Analysis of mass communication (film, press, radio, and TV); propaganda techniques; the causation of social attitudes; problems of public opinion polling. *Also called Political Science (56). Prerequisite: six hours of Sociology or six hours of Political Science. Three semester hours.*

57.—THE NEGRO AMERICAN

The historical antecedents, social institutions, achievements, and problems of Negro Americans. The nature and effects of prejudice and discrimination. Current trends in race relations in the United States. *Three semester hours.*

(60).—CULTURE AND RACE RELATIONS

Racial differences and cultural variations, colonialism, discrimination, and prejudice, and the major forms of social interaction between ethnic and racial groups. The cultural and racial backgrounds of the current nationalistic movements and social conflicts in Asia and Africa. *Open to all classes. Three semester hours.*

(62).—METHODS OF SOCIAL RESEARCH

The study and application of basic methods of social research. Interviewing techniques; participant observation; sampling techniques; the experimental method; the use of the schedule and questionnaire in the study of social attitudes. *Prerequisite: Sociology (32), or consent of the instructor. Three semester hours.*

63.—THE FAMILY

A sociological study of the family, comparing family, child-rearing, and sexual customs of preliterate, ancient, and modern societies; recent changes in the American family; culture absorption and personality development of the child within the family; problems of family organization. *Open only to juniors and seniors. Three semester hours.*

64.—PREPARATION FOR MARRIAGE

Dating, mating selection, courtship, and preparation for marriage; conditions favorable to marital adjustment, contrasted with tensions leading to family disorganization; religion, income, mental health, and sex as factors influencing marital adjustment. Emphasis on discussion of student needs. *Classes limited in size. Entrance by permission of the instructor. Two semester hours.*

65.—PEOPLES AND CULTURES OF THE SOVIET UNION

European and Asiatic peoples of the U.S.S.R., their social heritages and personality traits. Basic social institutions, as affected by Russian traditions, Marxist ideology, and Soviet power. The changing class structure, mass communication and propaganda techniques. *Not open to freshmen. In alternate years; to be given 1957-58. Three semester hours.*

(71).—SOCIOLOGICAL THEORY

A systematic examination of outstanding theories of social structure and social change. Primary emphasis is given to similarities and differences in basic assumptions and conclusions of the leading writers since Spencer. *Prerequisite: Sociology (32). Open to juniors and seniors. In alternate years; to be given 1957-58. Three semester hours.*

*73, (74).—PEOPLES AND CULTURES OF LATIN AMERICA

A comparison of Latin American nations in respect to racial composition, social heritage, cultural change, and current problems. Analysis of basic social institutions and description of various types of communities. *In alternate years; to be given 1958-59. Two or four semester hours.*

(76).—THE SOCIOLOGY OF RELIGION

Social aspects of religion and religious aspects of society; the impact of social and ecological forces upon religious organizations; and the role of religion in social control and social change. *Prerequisite: Sociology 31 or (32). In alternate years; to be given 1957-58. Two semester hours.*

91.—SEMINAR

Extensive reading in sociological literature with students reporting to the class upon assigned books and articles from the professional journals. *Limited to juniors and seniors, who are Sociology majors or minors. In alternate years; to be given 1958-59. Two semester hours.*

101-(102).—HONORS COURSE

(See index). *Six semester hours.*

Major: Thirty semester hours including (32), (62), (71), and 91. Six semester hours credit from the following group may be counted toward the satisfaction of these requirements: Economics 21-(22), 53, 76, and (78), English 37, (38), and 67, History 49, (50), 57, (58), and 61, (62), Mathematics 23-(24); Philosophy and Religion 39 and 53, Political Science 37, 41, (48), 53, and (54); Psychology 33, 41, 59, (60).

Minor: Eighteen semester hours including (32) and at least one course from the following group: 34, 50, (62), (71), and 91. In addition to the required courses, the following are strongly recommended: as preparation for graduate study: Sociology 31, 33, (34), 50, (56), 63, (76), and especially Statistics (Mathematics 23-(24)); as background for social work: Sociology 30 or 31, (33), 35-(36), 35L-(36L), 47, 57 or (60), 63, (64) and Mathematics 23-(24).

Endowed and Named Chairs

The college has a number of endowed and named chairs. The holders of these chairs are named by the Board of Trustees and the chairs which they hold are indicated in the faculty list. The endowed chairs are as follows:

THE LEMUEL T. APPOLD FOUNDATION, endowing the chair of the President of the College, was established by the Board of Trustees from a part of the bequest of Lemuel T. Appold of Baltimore, Maryland, of the Class of 1882 and a generous benefactor of the college.

THE ROBERT COLEMAN CHAIR OF HISTORY. The bequest of Robert Coleman, Esq., of Lancaster, Pennsylvania, was designated by the Board of Trustees in 1828 for the endowment of a professorship, making this one of the oldest American professorships. The professorship was reactivated in 1948.

THE THOMAS BEAVER CHAIR of English Literature was endowed by Thomas Beaver, Esq., of Danville, Pennsylvania in 1872.

THE SUSAN POWERS HOFFMAN CHAIR of Mathematics was endowed and named in memory of Susan Powers Hoffman of Carlisle.

THE ASBURY J. CLARKE CHAIR of Latin was established in 1919 by the gift of the widow of Asbury J. Clarke, of the Class of 1863.

THE RICHARD V. C. WATKINS CHAIR of Psychology was endowed in 1928 by the bequest of Richard V. C. Watkins, of the Class of 1912.

THE MARTHA PORTER SELLERS CHAIR of Rhetoric and the English Language is an endowed professorship established in 1936 by a gift of her son, the late Professor Montgomery Porter Sellers, of the Class of 1893.

THE BOYD LEE SPAHR CHAIR of American History was endowed in 1949 by the gift of Boyd Lee Spahr, of the Class of 1900.

THE GEORGE HENRY KETTERER and BERTHA CURRY KETTERER CHAIR of Religion was endowed in 1949 by the gifts of George Henry Ketterer, D.D., of the Class of 1908, a trustee of the College, and his wife, Bertha Curry Ketterer.

THE ROBERT BLAINE WEAVER CHAIR of Political Science was endowed by the bequest of Laura Davidson Weaver, and named for her brother, Robert Blaine Weaver, of the Class of 1874.

THE C. SCOTT ALTHOUSE CHAIR of Chemistry was established in 1950 and named for C. Scott Althouse, a Trustee of the College.

THE ALFRED VICTOR DUPONT CHAIR of Chemistry named for Alfred Victor duPont, a student at the College, 1814-16, was established in 1950 by the gift of his grandson, Irene duPont, of Wilmington, Delaware.

THE THOMAS BOWMAN CHAIR of Religion was endowed in 1951 by the gift of the Kresge Foundation (Sebastian S. Kresge, L.H.D., Founder), and named for Thomas Bowman of the Class of 1837, the first graduate of Dickinson College to be elected a Bishop of the Methodist Episcopal Church.

THE HENRY FORD CHAIR of Education was established in 1956 and named for Henry Ford in recognition of the educational statesmanship of the Ford Foundation in its 1954 gifts to privately-supported colleges.

THE EDSAL FORD CHAIR of Economics was established in 1956 and named for Edsal Ford in recognition of the Ford Foundation's selection of Dickinson College in 1954 for the Accomplishment Award for improving the salary and status of the faculty.

A number of other chairs are partially endowed.

Honor Scholarships and Prizes

FOR GENERAL EXCELLENCE IN SCHOLARSHIP

SOPHISTERS. By action of the Board of Trustees, and in keeping with an old Dickinson tradition, the highest-ranking Junior is named Senior Sophister for his final year in college, while the highest-ranking Sophomore is named Junior Sophister for the following year. The distinction of Senior and Junior Sophister carries with it a full-tuition scholarship.

1956-1957 SENIOR SOPHISTER, Robert Lewis Simons

1956-1957 JUNIOR SOPHISTER, Doris Anne Weigel

THE JAMES FOWLER RUSLING PRIZE of \$100, the income augmented, from the \$1,000 gift of General James Fowler Rusling, LL.D., Class of 1854, is awarded to that student of the Senior Class who, at the end of a four-years' course, shall be found to excel in scholarship and character.

Awarded, 1956, to John W. Weigel, II

THE WILLIAM K. DARE HONOR SCHOLARSHIP, in memory of William K. Dare, Class of '83, Professor of Education and Psychology, 1893-99, is awarded annually to that male student of the Freshman, Sophomore, or Junior Class who has attained the highest scholastic average in the work of the previous year. For this purpose the late Lemuel T. Appold, Esq., Class of '82, the lifelong friend of Professor Dare, gave the College a capital fund of \$5,000. The scholarship, consisting of \$250, is awarded at commencement time, and is credited to the recipient on tuition the following year.

Awarded, 1956, to Alan N. Rademan and Laurence M. Schwartz

THE DELAPLAINE MCDANIEL PRIZES.—\$5,000 was given by the late Delaplaine McDaniel, of Philadelphia, as a scholarship fund providing three prizes offered annually to members of the Freshman and Sophomore Classes for excellence in scholarship.

Sophomore Prize, \$100—To Doris A. Weigel

Freshman Prizes, Two Prizes of \$100 each—To Mary W. Bunyan and Alan N. Rademan.

THE WELLINGTON A. PARLIN SCIENCE SCHOLARSHIP AWARD of \$100, more or less, the income from a fund being given to the College by Dr. Wellington A. Parlin, Professor Emeritus of Physics, awarded annually to that Junior majoring in Biology, Chemistry or Physics, who has, during the three years at Dickinson College, attained the highest general scholastic average, and is applied to his college account for his senior year. If in any year the student to whom the award is made does not return as a student for the following year, the amount granted him shall then be used by the College for general College purposes.

Awarded, 1956, to Laurence M. Schwartz

THE JOHN PATTON MEMORIAL PRIZES, four in number, of \$25 each, one for each of the college classes, established by the \$2,000 gift of the late Hon. A. E. Patton of Curwensville, as a memorial to his father, Gen. John Patton, for many years a trustee of the College, are awarded annually for high scholastic standing. Awards for 1956:

Senior Class—to Helen A. Fielder and Carolyn Menin Hoppe

Junior Class—to Laurence M. Schwartz

Sophomore Class—to Inge L. Paul

Freshman Class—to John H. Potts

FOR EXCELLENCE IN SPECIAL FIELDS

THE RUTH SELLERS MAXWELL SCHOLARSHIPS in English Literature, established in 1945 by the \$5,000 gift of Robert H. Maxwell, of the Class of 1915, in memory of his wife, Ruth Sellers Maxwell, of the Class of 1915, who for many years was a teacher of English Literature, to be awarded annually for excellence in scholarship, for the highest scholastic standing in any course in English literature. Awards for 1956:

Senior Prize, \$100—to John A. Matta and Theodore Sky

Junior Prize, \$75—to Pauline Friedrich

Sophomore Prize, \$50—to Joseph A. Kosove

Freshman Prize, \$25—to Alan N. Rademan

THE WILLIAM LENNOX AVIS PRIZE IN UNITED STATES HISTORY of \$25, the income from a fund of \$450, the bequest of Minnie Woods Avis.

Awarded, 1956, to Kenneth R. Short

THE HENRY P. CANNON MEMORIAL PRIZE, income of a fund of \$500 voted by the Trustees in 1932 in honor of Henry P. Cannon, Class of '70, to continue the award given by him for many years "to that member of the Sophomore Class who shall pass the most satisfactory examination in the Mathematics of the Sophomore year, together with the original Geometry of the Freshman year."

Awarded, 1956, to John E. Watt

THE MERVIN GRANT FILLER MEMORIAL PRIZE of \$50, the income from a \$1,000 bequest of Tolbert J. Scholl, of Mechanisburg, Pa., in memory of Dr. Mervin G. Filler, President of the College, 1928-31, to be awarded annually at Commencement to a student of the College for excellence in the study of the classical languages.

Awarded, 1956, to Mae E. Johnson

THE CHI OMEGA FRATERNITY PRIZE, of \$25, the gift of the Dickinson chapter, is an award made to that Junior or Senior woman who excels in Economics, Political Science, or Sociology.

Awarded, 1956, to Ingrid M. Reinhold

THE CLASS OF 1902 AWARD. A gold watch made possible by a gift of \$1,979.05 from the Class of 1902, and awarded annually to that member of the Junior Class who, by the vote of his classmates, shall be adjudged the most all-round Dickinsonian. Established in June 1927. First award in 1928 to John W. McConnell.

Awarded, 1956, to Robert D. Burrowes

THE JOSEPH MIDDLETON AND ISABELL MULLIN BURNS MEMORIAL PRIZE of \$50, the annual income from \$1,000, the contribution of their daughter, Mrs. Helen Burns Norcross, Class of 1912 and former dean of women. This award is to be given annually to the woman student who attains the highest scholastic average during the sophomore year.

Awarded, 1956, to Doris A. Weigel

THE JOSEPH CLEMENS PRIZE of \$25, a gift of Joseph Clemens, Class of 1894, Chaplain in the U. S. Army, is awarded annually to a student of the Junior Class for the best essay on foreign missions.

Not awarded, 1956.

THE CHARLES MORTIMER GIFFIN PRIZE IN ENGLISH BIBLE of \$25, the income of a fund of \$500, is awarded annually to a student of the Senior Class of English Bible.

Awarded, 1956, to Terry R. Smith

THE WILLIAM W. LANDIS MEMORIAL PRIZE IN MATHEMATICS of \$50, the income from a fund of \$1,000 given by his cousin, George G. Landis, of the Class of 1920, in memory of Dr. William W. Landis, Professor of Mathematics from 1895 to 1942, to be awarded for excellence in the mathematics of the Freshman year.

Awarded, 1956, to Mary W. Bunyan

THE WILBUR HARRINGTON AND HELEN BURNS NORCROSS PRIZE of \$50 created in the will of Helen Burns Norcross, former dean of women, the annual income from a fund of \$1,000, in memory of her husband, Professor Wilbur Harrington Norcross, head of the Psychology Department from 1916 to 1941, to be awarded for excellency in Psychology during the junior year.

Awarded, 1956, to Edward R. Gilbert

THE GAYLARD H. PATTERSON MEMORIAL PRIZE of \$25, the income of a fund of \$500, a memorial to Professor Gaylard H. Patterson, the founder of the Social Science Department in the College, to be awarded to that student in Sociology who presents the best sociological analysis of a public policy. The judges of the essay are to be members of the Division of Social Science.

Awarded, 1956, to Elizabeth A. Lusby

THE MORRIS W. PRINCE HISTORY PRIZE of \$25, the income of a fund of \$455, the gift of the Class of '99, for excellence in history.

Awarded, 1956, to Carolyn A. Burgard

THE MILTON S. REES PRIZE of \$25 the gift of Rev. Milton S. Rees, D.D., Rochester, N. Y., is awarded to that student who shall excel in English Bible.

THE WINFIELD DAVIDSON WALKLEY PRIZES of \$25 and \$15, the income of a fund amounting to \$993.16, endowed by D. R. Walkley, D.C.L., in memory of his son, Winfield Davidson Walkley, are awarded as first and second prizes, respectively, to those members of the Freshman Class who shall excel in declamation, either forensic or dramatic.

First Prize, \$25 to Jack H. Gardner

Second Prize, \$15 to Paul A. Lotke

ANGELINE BLAKE WOMER MEMORIAL PRIZE of \$75, the income of a fund of \$1,500, to be awarded each year to that student of the Freshman Class who attains the highest grade in rhetoric and composition.

Awarded, 1956, to Mary W. Bunyan

THE LEWIS M. BACON SENIOR AWARDS, of \$75, or more, to be awarded to the man student and the woman student in the Senior Class who have been selected by a committee established for the purpose, the selection being on the basis of good campus citizenship. The Award is provided by the Mary Dickinson Club of Baltimore, Maryland.

THE GOULD MEMORIAL DRAMA PRIZES, two permanent trophies, value \$1,200.00, donated by Dr. Herbert M. Gould, in memory of his father, William H. G. Gould, and mother, Myrtle Drum Gould, to be retained by the College, but engraved each year with the name of the man student and woman student who, in the judgement of the President of the College, has made the greatest contribution to the program of dramatic productions of the College, and the sum of \$100.00 to each winner each year.

Awarded, 1956, to Phyllis L. Fetterman, Murray S. Eckell and Gary C. Goodlin

THE HUFSTADER SENIOR PRIZES, two prizes of \$200 each, one for the Senior man student and the other for the Senior woman student who, in the judgement of the President of the College, has contributed most to the good of the College during the entire four years. These prizes are endowed by a gift by Dr. William F. Hufstader.

Awarded, 1956, to John M. Kohlmeier, Jr. and Shirley Anne Cranwill

Trustee Scholarships

TRUSTEE SCHOLARSHIPS. By action of the Trustees of the College a number of Trustee Scholarships were established, each scholarship totalling \$1,500 available at the rate of \$375 per year for each year the recipient maintains superior scholarship.

Roberts, Joyce B.	Senior
Safer, Jan	Senior
Schwartz, Laurence M.	Senior
Hollinger, James L.	Junior
Awad, Mary E.	Sophomore
Bohi, Robert Y.	Sophomore
Eames, Robert F.	Sophomore
Egolf, Kenneth L.	Sophomore
Klansek, Joyce B.	Sophomore
Wagner, E. Reginald,	Sophomore
Tegtmeier, Merle E.	Freshman

Presidential Scholarships

PRESIDENTIAL SCHOLARSHIPS. By action of the Trustees of the College eight Presidential Full Tuition Scholarships were established in commemoration of the Tenth Anniversary of the Inauguration of President Edel. Four of these scholarships are at large, two are assigned to Carlisle, one to Harrisburg and one to Baltimore. Normally two Presidential Scholarships will be awarded each year. Scholarships once awarded will be renewed each year provided the recipient maintains satisfactory character and scholarship.

Awarded, 1956-1957, to Sylvia Rambo and John F. Shuman.

Scholarships and Student Aid

The college provides several types of assistance for worthy students in financial need. A number of special loan and scholarship funds have been established over the years by friends of the college, awards from which are made by the donors or by the President on the basis of merit and need. Supplementing these funds, the college annually sets aside from its budget a sum to be used for the several forms of student aid described below.

SCHOLARSHIP AWARDS are made to certain outstanding students with due consideration given to need. Dickinson has entered the College Scholarship Service sponsored by the College Entrance Examination Board. On the regular application form, the applicant indicates an interest in scholarship assistance and the appropriate forms are supplied by the college. Final decisions on requests for assistance are made by the Scholarships and Student Aid Committee of the college.

GRANTS-IN-AID are available to students who offer high promise of usefulness but who have not achieved scholastic distinction. Such awards are restricted to those who cannot meet the full expense of their college program through incidental employment without serious detriment to their academic work.

STUDENT LOANS are available in limited number to students in good standing. These funds, which are intended only for those students who have an unusual financial problem, may be used to supplement a scholarship or grant-in-aid.

Financial assistance is normally awarded for the full academic year. The college reserves the right, however, to review individual cases at any time. Normally financial aid is not continued to students on probation. Students who have received financial aid may count upon its renewal though not necessarily in the same amount or category) subject to the following conditions:

1. The attainment of a satisfactory scholastic record;
2. The maintenance of a high standard of conduct;
3. The continued existence of financial need; and
4. The exercise of strict economy.

With the exception noted below, all students desiring renewal of financial aid must make application therefor on the "Application for Renewal of Financial Aid" form by May 1. Individuals applying for the first time and students applying for a renewal of aid whose economic circumstances have changed significantly (over \$500) since the initial award to them of financial assistance by the college must use the form provided by the College Scholarship Service.

Complete information concerning these several types of financial assistance, including all necessary forms, can be obtained from the Office of the Dean of the College.

Foundation Scholarships

NATIONAL METHODIST SCHOLARSHIPS are available to a number of students. These scholarships are based on recommendation from the pastor of the student's home church, interest and experience in Methodist activities and high scholarship. Applications for these scholarships should be made to the President's Office of the College.

Academic year 1956-1957: Margaret Ellen Borgstade, Deanne Mary Bell, H. Newton Olewiler, Jr., Vaughn Archie Baker, John Lee Frehn

THE PITCAIRN-CRABBE FOUNDATION of Pittsburgh, Pennsylvania, has made available two scholarships of \$300.00 each, to be awarded annually by the President of the College on the basis of need and promise, to students who are the sons or daughters of clergymen, teachers, public servants, or other persons who are engaged in serving the public welfare.

Awarded, 1956-1957, to Kenneth Edward Short and Donald Carlton Thompson

THE GENERAL MOTORS CORPORATION has made available one 4-year scholarship for a student in each entering class. The value of these scholarships depends on the need of the students selected, not to exceed \$2,000 per year. Scholarships will be awarded on a competitive basis and application for them should be made to the Dean of Admission.

1955-1956: Jack H. Gardner

1956-1957: Charles E. Wisor

Endowed Scholarships

THE BALDWIN MEMORIAL CHURCH SCHOLARSHIP FUND of \$1,000, established in 1917.

THE BEAVER MEMORIAL METHODIST CHURCH, Lewisburg, Pa., scholarship of \$50, established in 1942.

THE M. GRACE BECHTEL MEMORIAL—The interest on a \$1,000 endowment to be paid annually to that student of the College who is preparing for entrance into the Christian ministry of the Central Pennsylvania Conference of the Methodist Church.

THE BODINE SCHOLARSHIP of \$50, established in 1907 by the \$1,000 gift of George I. Bodine, Jr., Esq.

THE GEORGE L. BROWN FUND, established under the will of the late George L. Brown, M.D., of Lucknow, Pa., amounting to \$22,500, provides that the income be applied to the tuition in order of preference, first, of male students from Middle Paxton Township, Dauphin County, Pa.; secondly, of male students from Susquehanna Township, Dauphin County, Pa.; and lastly, of other worthy and eligible boys.

CENTRAL PENNSYLVANIA METHODIST CONFERENCE SCHOLARSHIP FUND, the income to be used as scholarships for members of churches of the Central Pennsylvania Methodist Conference.

THE CLASS OF 1909 SCHOLARSHIP FUND, the interest on an accumulating fund which was presented to the College on the thirty-fifth reunion of the class, and, on June 30, 1946, amounted to \$1223.11, available in the form of scholarship-loan aid to students by appointment of the President of the College, preference to be given to any descendant of a member of the Class of 1909.

THE CLASS OF 1914 SCHOLARSHIP, the interest on an accumulating fund which was presented to the College on the 25th reunion of the class, and on June 30, 1956, amounted to \$3,000.00 available in the form of scholarship aid to students, by appointment of the President of the College.

THE CLASS OF 1915 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the class on June 3, 1945, amounting to \$3,000, available in the form of scholarship aid to students by appointment of the President of the College, preference to be given to any descendant of a member of the Class of 1915.

THE CLASS OF 1917 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the Class on June 7, 1947, amounting to \$1,897.40, to be awarded annually by the President of the College, preference to be given to any descendant of the Class of 1917.

THE CLASS OF 1918 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the Class on June 5, 1948, amounting to \$1,000 to be awarded annually by the President of the College, preference to be given to any descendant of the Class of 1918, and when unassigned, to be used for the operating costs of the College.

THE CLASS OF 1921 SCHOLARSHIP, the interest on a fund presented to the College on the twenty-fifth reunion of the class on June 8, 1946, amounting to \$2,350, to be awarded by the President of the College, preference to be given to any descendant of the Class of 1921.

THE CLASS OF 1922 MEMORIAL FUND, the interest on a fund presented to the College on the twenty-fifth reunion of the Class on June 7, 1947, amounting to \$1,208, the income to be used for such college purposes as the President of the College shall consider to be the greatest need with preference first to the library and then to scholarship grants.

THE CLASS OF 1928 SCHOLARSHIP, the interest on a fund presented to the College on the twenty-fifth reunion of the class in June, 1953, amounting to \$2,600, to be awarded annually by the President of the College, preference to be given to any needy descendant of the Class of 1928, and when unassigned to be used for such college purposes as the President of the College shall consider to be the greatest need.

THE CLASS OF 1930 SCHOLARSHIP, the interest on a fund presented to the College on the twenty-fifth reunion of the class in June 1955, amounting to \$3,100, to be awarded annually by the President of the College, preference to be given to any needy descendant of the Class of 1930.

THE JOSEPH AND MARY STRONG CLEMENS SCHOLARSHIP FUND of \$2,500 was established in 1934 by Joseph Clemens, Class of 1894, the income therefrom to be used as scholarship or scholarship-loan aid for the benefit of students of the College who are students for the ministry of the Methodist Church to be selected by the President of the College as needy and worthy.

CARRIE A. W. COBB SCHOLARSHIP FUND of \$5,000, in memory of the Reverend Charles H. Rorer, D.D., because of his abiding interest in the College, his Alma Mater, the income of which is to be awarded by the College to aid students preparing for the ministry.

THE ELEANOR COOPER SCHOLARSHIP FUND of \$5,000, established in 1952. The Dickinson Club of New York may from time to time nominate recipients of such scholarship.

THE NATHAN DODSON CORTRIGHT MEMORIAL SCHOLARSHIP FUND of \$5,000 established by Mrs. Emma L. Keen, of Philadelphia, as a memorial to her father, Nathan Dodson Cortright, is used to aid young men preparing for the ministry.

S. ADELBERT DeLUDE SCHOLARSHIP of \$50, established in 1956 by a \$1,000 grant from his estate. In awarding this scholarship preference is given to a student from the New York area.

THE SMITH ELY SCHOLARSHIP, endowed in 1910 by the Hon. Smith Ely, of New York City, in the sum of \$1,100, students from New York City and vicinity having prior claim.

THE WILLIAM SCHUYLER EVES MEMORIAL SCHOLARSHIP FUND of \$5,000 established in 1956. The annual income to be used for the education of needy and worthy young men who are members of the Jenkintown Methodist Church, Jenkintown, Pa. The young men to be selected by the President of Dickinson College and the Minister of the Jenkintown Methodist Church.

THE FAYETTE STREET METHODIST CHURCH OF BALTIMORE, MARYLAND, SCHOLARSHIP FUND of \$1,000, the income from which is awarded annually, preference being given to the recommendation of the trustees of the Fayette Street Methodist Church.

THE ROBERT M. FERGUSON, JR., MEMORIAL SCHOLARSHIP FUND of \$2,000, the gift of Grace C. Vale, of the class of 1900.

THE FREEMAN SCHOLARSHIP of \$50, established by the \$1,000 gift of Frank A. Freeman, Esq., of Philadelphia.

THE MELVILLE GAMBRILL MEMORIAL FUND of \$50,000, the gift of Melville Gambrill, of Wilmington, Delaware, a former trustee of the College, the income from which is used to provide education for young men preparing for the ministry.

THE JOHN GILLESPIE MEMORIAL SCHOLARSHIP, interest on \$1,000, the gift of Miss Kate S. Gillespie, daughter of John Gillespie, Esq., late of Philadelphia, in 1911, as a memorial to her father.

THE EDNA GRACE GOODYEAR MEMORIAL FUND of \$5,000, established by the late Samuel M. Goodyear, for many years a Trustee of the College, the income therefrom to be awarded annually by the President of the College to a needy and worthy student, first, of students from Carlisle, Pennsylvania; secondly, of students from Cumberland County; and lastly, of other worthy and eligible students.

THE JOHN H. HACKENBERG, SCHOLARSHIP was endowed in 1940 by the gift of \$2,000, by the Rev. John H. Hackenberg, D.D., and his wife, the interest to go annually to help some worthy young man preparing for the Methodist ministry.

THE HAVERSTICK AND SNAVELY SCHOLARSHIP, income from an annuity fund of \$1,000, designated for endowment of a scholarship in 1910.

THE J. FRED HEISSE SCHOLARSHIP FUND of \$2,500 was established in 1925 by his brother, E. W. Heisse, of Baltimore. The proceeds of the fund are awarded from year to year to such student or students as may be named by the donor, or on his failure to nominate, by the President of the College.

THE HORN SCHOLARSHIP, income from \$1,000, contributed in 1917 by J. Edward Horn, of Philipsburg, Pa., to be awarded to some worthy student of the College preparing for useful service.

THE BRUCE HUGHES SCHOLARSHIP. Established in 1917. The income from \$950.

THE WILLIAM ALBERT HUTCHISON SCHOLARSHIPS, the income from a fund of \$2,900, presented to the College by the Conway Hall Alumni Association on June 7, 1947, in memory of Dr. William A. Hutchison, headmaster of Conway Hall Preparatory School, to be awarded by the President of the College, preference to be given to descendants of former students of Conway Hall.

THE CHARLES H. B. KENNEDY MEMORIAL SCHOLARSHIP FUND, the income from \$1,000, given by members of the "D" Club in memory of Professor Charles H. B. Kennedy.

THE ALBANUS CHARLES LOGAN MEMORIAL SCHOLARSHIP FUND of \$5,259, the gift of Maria Dickinson Logan, of Philadelphia, the income to be used as a scholarship at the College for some worthy young man, preference being given to a graduate of the Germantown High School.

THE HENRY LOGAN SCHOLARSHIP FUND of \$3,700, the gift of Henry Logan, of the Class of 1910, of Brooklyn, N. Y., the income therefrom to be awarded annually by the President of the College to a needy and worthy student upon the recommendation of the donor during his lifetime.

THE RICHARD H. McANDREWS SCHOLARSHIP, the income from a fund of \$1,096, presented to the College on June 7, 1947, by the Wearers of the "D" to create a memorial to Associate Professor Emeritus R. H. McAndrews of the Department of Physical Education, to be awarded annually by the President of the College.

THE CHARLES WATSON MCKEEHAN SCHOLARSHIP FUND of \$8,425.11, established under the wills of Mary A. McKeehan and Charles L. McKeehan in memory of their husband and father, Charles Watson McKeehan, of the Class of 1867, a trustee of the College 1879-1895.

C. H. MASLAND & SONS SCHOLARSHIPS, established in 1945 by the \$20,000 gift of C. H. Masland & Sons, manufacturers, of Carlisle, Pa., awarded annually with preference given to children of employees of C. H. Masland & Sons, then to residents of Carlisle or adjacent territory, and lastly to any other needy and worthy student.

THE ARTHUR MILBY SCHOLARSHIP of \$50, established in 1911 by the \$1,000 gift of Miss Mary R. Burton, for the education of worthy young men for the ministry.

THE THEODORE F. MILLER SCHOLARSHIP of \$50, the income from the \$1,000 gift of Theodore F. Miller, Esq., of Philadelphia in 1928.

THOMAS MONTGOMERY SCHOLARSHIP FUND of \$6,030, the gift of Colonel Robert H. Montgomery, LL.D., in memory of his father, Thomas Montgomery, a member of the Class of 1851.

THE MARLIN E. OLMSTED SCHOLARSHIPS, established in 1925 by Mrs. Marlin E. Olmsted (Mrs. Vance C. McCormick) in memory of her late husband, Marlin E. Olmsted, an honorary alumnus of the College. The scholarships, the proceeds of a capital fund of \$5,000, shall be given each year in the discretion of the President of the College, to such students of good mind, good character, and studious habits as seem to need them for the successful continuance of their course in College.

THE VALERIA SCHALL SCHOLARSHIP of \$75, proceeds of a \$1,500 fund, is used in assisting such young men as, in the estimation of the President and Faculty of the College, are of good character, scholarly habits, and deserving of assistance, and who are approved candidates for the Methodist ministry.

THE CHARLES T. SCHOEN SCHOLARSHIPS, ten in number, of \$50 each, established by the \$10,000 gift of the late Charles T. Schoen, of Philadelphia, are awarded annually to such young men and women as the President may designate.

THE ARNOLD BISHOP AND MARY AGNES SHAW SCHOLARSHIP, the annual income from \$1,250, the contribution of their children, Miss Clara W. Shaw, Mrs. Bertha Shaw Nevling, Mrs. Jeanne Shaw Bailey, Calvin Bishop Shaw, Charles M. Shaw. The donors may designate annually some worthy young person in the College in need of financial help.

JAMES ROSS SNOWDEN SCHOLARSHIP FUND, created in the will of Mary T. Snowden Stansfield, of Philadelphia, Pa., by the bequest of \$10,000 for the endowment of a scholarship of law in memory of her father, the son of the Rev. Nathaniel Randolph Snowden, a trustee of the College from 1794 to 1827.

THE WILLIAM M. STAUFFER SCHOLARSHIP FOUNDATION.—The bequest of \$950 of W. M. Stauffer, of Reading, Pa., in 1917, "to be invested as a special scholarship endowment, the income to be used for the benefit of some deserving student."

THE CAPTAIN JOHN ZUG STEESE SCHOLARSHIP, the interest on a \$1,000 endowment, the gift of his mother, Mrs. Anna Zug Schaeffer Steese, of Mt. Holly Springs, Pa., who has sent four sons to Dickinson, all of whom later served their country with distinction as commissioned officers of the army during the World War; to be awarded annually by the President of the College to some young man who has completed his Sophomore year in the

upper third of his class, excelling especially in mathematics; who has engaged successfully in athletics, music, dramatics, or other extra-curricular activities and to whom financial aid would be real assistance in helping him to continue his college course. The recipient shall write a brief note of acknowledgment to the donor or to her estate outlining his previous education and experience.

THE ALBERT AND NAOMI WATSON SCHOLARSHIP FUND of \$3,000, the gift of Mr. and Mrs. Albert Watson, of Carlisle, Pa., the income therefrom to be awarded annually by the President of the College to a needy and worthy student, preference to be given to a resident of Carlisle.

THE M. WILLIAM WEDELL SCHOLARSHIP FUND of \$15,000, established in 1948 through a gift of Meta Hofer, of Brooklyn, N. Y., in memory of her brother, M. William Wedell. The income therefrom is assigned annually in the form of a scholarship or several scholarships by the President of the College and when unassigned is used for the operating needs of the College.

M. HELEN LEHMAN WHITMOYER MEMORIAL FUND of \$1,000, the gift of Raymond B. Whitmoyer of the Class of 1913 in memory of his deceased wife, M. Helen Lehman Whitmoyer of the Class of 1911.

THE ELLA STICKNEY WILLEY SCHOLARSHIP of \$50, established by the \$1,000 gift of Mrs. Ella Stickney Willey, of Pittsburgh, Pa., is awarded annually to such students as may be designated by the donor or by the President.

THE ANNIE WINDOLPH SCHOLARSHIP FUND of \$10,392, established by the bequest of Annie Windolph, the income of which is available to a student or students taking pre-dental work.

THE REV. WILLIAM WOOD SCHOLARSHIP of \$100, the income from the \$2,000 gift of Miss Sarah Wood, of Trenton, N. J., is awarded annually to such student as may be designated by the donor or by the President.

JOHN L. YARD SCHOLARSHIP FUND received in 1945 by a bequest totalling \$4,172.94 to establish three memorial scholarships in memory of testator's wife, Emmeline Matilda Van Rensselaer Yard, to be given each year at the discretion of the President of the College to students of good mind, good character and studious habits, preference to be given to students desiring to enter the ministry who seem to need financial aid for the successful continuance of their courses in college.

THE CHARLES K. ZUG MEMORIAL FUND.—A fund of \$5,366 given in January 1930, by the late Lemuel Towers Appold, Esq., Class of 1882, of Baltimore, in memory of his intimate friend, Charles K. Zug, of Philadelphia, Class of '80, Phi Beta Kappa, a member of the Alumni Council, and for many years a faithful friend and trustee of the College. The income from this fund to be used at the discretion of the President in granting scholarship aid to worthy young men students.

Unendowed

THE DICKINSON CLUB OF WASHINGTON SCHOLARSHIPS of \$150 each are provided by current gifts of alumni and candidates are nominated by officers of the club.

Awarded, 1956-1957 to Thomas F. Talentino

THE PROFESSOR FRIEDRICH SANDELS SCHOLARSHIP of \$500.00, established in 1956 by Dr. Donald H. Foster, of the Class of 1949, to be awarded annually by the President of the College to a needy and worthy student, with preference to be given to a resident of the South Jersey area upon nomination by the donor.

Loan Funds

THE CORNELIA C. THUMM FUND, \$950, the legacy of Mrs. Cornelia C. Thumm, of Philadelphia, 1896, the annual interest on which is to be used for the benefit of some needy student or students of the College, the conditions of appointment and the selection of beneficiaries to rest with the President.

THE EMILY MAY PHELPS ATWOOD LOAN FUND, of \$6,051.50, established in 1942 by her parents, Mr. and Mrs. Andrew H. Phelps, to aid worthy students.

THE CLARA RIEGEL STINE FUND of \$4,457.26, the legacy of Clara Riegel Stine, of Mechanicsburg, Pa., held in trust by the Pennsylvania Company for Insurances on Lives and Granting Annuities of Philadelphia, to be used to assist in education of needy and worthy students studying for the ministry of the Methodist Church, under a loan plan.

MARIA ELIZABETH VALE STUDENTS' SELF-HELP FUND.—The income from a fund of \$25,000, the gift of Ruby R. Vale, Esq., of the Class of '96, in memory of his daughter, now deceased; because of his affection for his Alma Mater, and of his desire to aid worthy students at the College needing temporary help. Administered by the President with permission to lend \$200 per year to an individual, but not to exceed \$800 to anyone during the College course.

AMERICAN BANKERS ASSOCIATION FOUNDATION FOR EDUCATION IN ECONOMICS LOAN SCHOLARSHIP.—One loan scholarship of \$250 per year. Consult the Treasurer of the College.

BOARD OF EDUCATION OF THE METHODIST CHURCH STUDENT LOAN FUND.—Open to members of that Church of at least one year's standing, \$200 in the Freshman year, \$250 in the Sophomore year, \$300 in the Junior year, and \$350 in the Senior year. The total borrowings must not exceed \$1,500. Consult the Treasurer of the College.

CENTRAL PENNSYLVANIA CONFERENCE LOAN FUND.—Consult the Treasurer of the College. The maximum per year for a student is \$200, and the total amount loaned to any one person is limited to \$800, during the college course. Five cash scholarships per year of \$100 each are also available from this fund.

LOAN FUND OF THE HARRISBURG ALUMNAE CLUB.—The sum of \$50 given in May, 1932, as the beginning of a revolving fund, to be applied to the aid of deserving students who are in need of assistance in meeting their college expenses.

THE PRESIDENT'S LOAN FUND.—A fund for temporary small loans in cases of emergency. The principal of the fund, contributed by the alumni, is used as directed by the President of the College.

Student Employment

Opportunities are available for a number of students to meet part of their expenses by regular work in certain of the college offices and facilities. The award of a scholarship, grant-in-aid, or loan does not preclude the student's receiving part-time employment through the college. Applications for such positions may be made to the Treasurer, who will certify the request in accordance with the student's need and abilities and the positions available.

Students of the College may be eligible for other loan funds which are not administered by the College. Information concerning such funds can be given by the College Treasurer.

Degrees Conferred by the College

SPECIAL CONVOCATION

MAY 1, 1956

HONORIS CAUSA

D. FRED WERTZ	<i>Doctor of Laws</i>
ROBERT L. D. DAVIDSON	<i>Doctor of Laws</i>
GILBERT H. JONES	<i>Doctor of Laws</i>

COMMENCEMENT

June 3, 1956

I. HONORIS CAUSA

HERBERT WILLIAM GLASSCO	<i>Doctor of Divinity</i>
LEWIS DOUGLAS GOTTSCHALL	<i>Doctor of Humane Letters</i>
FRANK C. MARINO	<i>Doctor of Science</i>
SAMUEL McCUNE LINDSAY	<i>Doctor of Social Legislation</i>

II. IN CURSU

A.B.—Bachelor of Arts

**Ackroyd, Robert Arthur	Packanack Lake, N.J.
Allen, Barbara Shillingsburg	Carlisle
Anderson, Marjorie Jean	Stewartstown
**Anderson, Robert Reed, II	St. Petersburg, Fla.
Anderson, Sarah Watson	Gaithersburg, Md.
Antes, Mary F.	Canton, Ohio
Appleyard, E. Lorraine	Yonkers, N.Y.
Barilar, Albert Alvin	Anita
Barton, Frederick Lowell	York
Bashore, Barbara Anne	Tremont
Beach, Walter Eggert	Washington, D.C.
Berchet, Anne Doris	Wilmington, Del.
Boffemmyer, Barbara Lee	Media
*Bolam, Paul F.	Knox
Bolam, Katherine Schecter	Carlisle
Boskovich, Peter J.	Lebanon
Bowman, Roberta Ruth	Lemoyne
Boyer, Robert Lee	Tamaqua
Brown, Barry Drew	Haddonfield, N.J.
Brown, Ross Estey	Verona, N.J.
Bukovits, John Andrew	Northampton
Burgard, Carlyn Adele	Dillsburg
Burkhart, Jacob Paul, II	Carlisle
Carlson, Jeanne Helene	West Orange, N.J.
Cohen, Vicki Lynn	Harrisburg

* Graduated as of the Class of June 1955

** Graduated as of February 6, 1956

Cole, Donaldson Craig, Jr.	Perryville, Md.
Colquhoun, Edward William	Somerville, N.J.
Cominsky, Andrew Albert	Windber
Compton, Jane Elizabeth	Levittown, N.Y.
Cranwill, Shirley Anne	Montclair, N.J.
Creveling, Joanne Ross	Metuchen, N.J.
Crouse, Radford Lerwyn	Shippensburg
Crum, Christine Ewing	Carlisle
Dedrick, Warren Frederick	Newton Highlands, Mass.
Densmore, Ralph Stanley, Jr.	Baltimore, Md.
Dietrich, Kenneth Earl, II	Carlisle
***Disharoon, Lee Warren	Philadelphia
Ditzler, Alice Ann	Pine Grove
*DuBois, Charles H.	Clayton, N.J.
Dunlap, Richard Norman	Philipsburg
Eckell, Murray S.	Chester
Eshelman, Thomas Jackson	Reading
Farnath, Leslie Dodd, Jr.	Ocean City, N.J.
Farquharson, Catherine	Carlisle
Fielder, Helen Anne	Sharon
Fisher, Glorette Ann	Kutztown
Fitzcharles, Carolyn Ruth	Morrisville
Ford, Joseph Smith, Jr.	Baltimore, Md.
Fredericks, James Walter	Asbury Park N.J.
Garwood, Charles Morse	Philadelphia
Gilbaugh, Robert Conway	Coatesville
Giles, Fred David	Tyrone
Gillan, Robert William, Jr.	Harrisburg
Goodlin, Gary Carl	Pittsburgh
Goosman, Karl William, Jr.	Clearfield
Gordon, Morton Joseph	Hazleton
Gourley, Bruce Morton	Jamestown, N.Y.
*Graham, Neil H.	Newton Square
*Greene, Richard M.	Forest Hills, N.Y.
Habicht, Grace Marie	Narberth
Hampton, Jean Alice	Tenafly, N.J.
Hartman, Jay Harry	Harrisburg
Hasenritter, Carla Jane	Havertown
Haughney, Hughey William	Plymouth
Hays, Raphael Smead, II	Carlisle
Herr, Helen Paxson	Lansdowne
Hobaugh, George Robinson	Indiana
Honaman, Walter Hugh, II	Williamsport
Hoppe, Carolyn Menin	Philadelphia
Howland, Elise	Port Kennedy
Hudson, William Sheppard	Dover, Del.
Huff, Patricia Jane	Farmingdale, N.J.
Isaacs, Eleanor Nathan	Philadelphia
Iwachiw, Anna R.	Chester
*Jablonski, Clement J., Jr.	Kingston
Johnson, David Merrill	Bethesda, Md.
*Johnston, Jerry Mitchell	Harrisburg

* Graduated as of the Class of June 1955

*** Binary Program, University of Pennsylvania

*Jones, Robert Edward	York
Keat, Mary Elizabeth	New Cumberland
**Keller, Jutta	Forest Hills, N.Y.
Kissell, Harold J.	Williamsport
Klages, Constance Warner	Elmhurst, N.Y.
Klevan, Thomas Robert	Altoona
Klinger, Arlen Talbert	Carlisle
Kohlmeier, John M., Jr.	Flushing, N.Y.
Kramer, Alan Sharfsin	New York, N.Y.
Kress, Gerald	Philadelphia
Krewson, Clarence David	Newtown
*Kreyling, Theodore Jordan	Wynnewood
Kubic, Frederick Chester, Jr.	Shamokin
**Kunda, Joseph Thadeus	New Britain, Conn.
*Lamb, Ralph Reuben	Springfield
Leggett, Donald Allen	Catasauqua
Lens, Judith Ann	New Brunswick, N.J.
Lim, Donald Ewe Yang	Singapore, Malaya
Lusby, Elizabeth Anne	Kennedyville, Md.
Lyman, William Thomas	Wilmington, Del.
MacGregor, Kenneth William	Mantua, N.J.
*Majeski, Barbara Ruth	Trenton, N.J.
Matta, John A.	Brownsville
Matz, Patricia Ann	Annvile
Mawby, Donald Alfred	North Plainfield, N.J.
Mead, Judy Spencer	Nutley, N.J.
Meares, Denise Buell	Victoria, Australia
Minkevitch, Joseph Michael	Norwood, Mass.
Mosko, Edward	Nesquehoning
Moyer, Donald D.	Silverdale
Namnoum, Thomas M.	New Britain, Conn.
Newcomer, John Lindley	Ocean City, N.J.
Novinger, John Frederick	Millersburg
Odorizzi, Carole Rae	Greenwich, Conn.
Orton, Mark Edward, Jr.	North East
Pachino, Joel Hillary	Baltimore, Md.
Peltz, Jocelyn	Glenside
Ranck, Nancy Chambers	Media
Reece, Rita Mary	Carlisle
Reinhold, Ingrid Margot	Union, N.J.
Robins, Shayle	New York, N.Y.
Rohrbaugh, Mary Lou	Elmira, N.Y.
Roth, Frederick Edward	Harrisburg
Roth, James Seymour	Middletown
Royer, Elizabeth Grace	Thurmont, Md.
Runkle, John Wesley	Middleburg
Ruth, Barbara N.	Reading
Sanford, John Rawlins	Ithaca, N.Y.
Sawyer, I. Evelyn	Durham, N.C.
Schreiber, Nancy Elizabeth	Lebanon
Sell, William Harry	Erie
Seto, Joyce Kam Lan	Blackwood, N.J.

* Graduated as of the Class of 1955

** Graduated as of February 6, 1956

Sheppard, Eleanor G.	West Lawn
**Sigler, Judith Kirkpatrick	Loysville
*Sims, Joseph James	Shenandoah
**Sklar, Ronald Stanton	Philadelphia
Skrapits, William Charles	Northampton
Sky, Theodore	Altoona
*Smeak, Carroll David, II	St. Clair Shores, Mich.
Smith, Edwin Eugene	Union Springs, N.Y.
Smith, Robert Fleck	Harrisburg
Smith, Terry Rudolph	Quinton, N.J.
Specht, Frederick H.	Millersburg
Speed, Kenneth Robert	Carlisle
Speer, James Campbell	Chambersburg
Stephan, David Wheatley	Washington, D.C.
Stone, Daniel Galt	Seaford, Del.
Stucke, Hermann	Stuttgart, Germany
Swift, John Bolten	Asbury Park, N.J.
Taylor, Patricia	Morrisville
Terreri, Constance Jane	Morristown, N.J.
Theall, David D.	Falmouth, Mass.
Thoenebe, Susan Caryl	Oreland
**Thompson, Anne Esther	Rego Park, Long Island, N.Y.
*Thompson, Walter Burdette	Millville, N.J.
Towell, Clifford Fletcher	Ridgewood, N.J.
**Trub, Richard Gibson	South Orange, N.J.
Victor, Dorothy Tresselt	Thurmont, Md.
Weigel, John Wesley, II	Carlisle
West, Roy Warren	Philadelphia
Westcott, Jennifer Florence	Reading
Wilkinson, Robert Lewis	Haddonfield, N.J.
*Wilson, Edward M.	Yonkers, N.Y.
**Wilson, Katherine Edwina	Baltimore, Md.
**Winand, John Paul	Harrisburg
Witmer, John Henry	Mechanicsburg
Wright, George Doughty, Jr.	Marlton, N.J.
Wyckoff, Craig DuMont	West Orange, N.J.
Yost, Donald Hedrick	Stewartstown
*Yuengling, Frederick George, Jr.	Pottsville
Zickel, Raymond Ernest	Media

* Graduated as of the Class of June 1955

** Graduated as of the Class of February 6, 1956

Sc. B.—Bachelor of Science

Abrams, Marvin Donald	Chester
Allegretto, Donald Peter	Johnsonburg
Alley, Richard Abbes	Berwick
Allmond, Bayard W., Jr.	Wilmington, Del.
Baird, Elizabeth Ann	Milltown, N.J.
*Baner, Albert Lawrence, Jr.	Syracuse, N.Y.
Baric, Lee Wilmer	Carlisle
Bartoli, Maria A.	Carlisle
Bennett, Dean James, Jr.,	West Haven, Conn.
Compton, Gayle Drinkwater	Lingiestown
Eberly, Mary M.	Lancaster
Eisley, George Grant, Jr.	Myerstown
Fetterman, Phyllis Louise	Hershey
Fink, Lawrence Charles	Harrisburg
Fiscella, James Robert	Wildwood, N.J.
Fisher, Aron Baer	Philadelphia
Gold, Henry Jay	Philadelphia
Hartley, Robert Allen	Harrisburg
Hellman, Barry Harvey	Great Neck, N.Y.
Horn, Eugene Franklin	Mechanicsburg
Jones, Joan Howell	Washington, Conn.
Knoblauch, Karl Richard	Trenton, N.J.
Liener, Emma Dorothy	Cheltenham
Nellas, James Louis	Beaver Falls
Nevara, John Budd	Philipsburg
Noggle, George Alfred, Jr.	Carlisle
Owen, Miles Leon	Duncannon
Padjen, George	Steelton
Petrovich, Frank P.	Shamokin
Rittenhouse, Donald Leroy	Brockway
Rolland, Grey Franklin	McKeansburg
Roser, David O.	Glastonbury, Conn.
Sakimura, Ivan Tadashi	Grantham
Schwartz, Franklin Menges	Derwood, Md.
Stock, Ray Kesecker	Glen Rock
Timen, Jerome Charles	South Ozone Park, N.Y.
Walter, Mary Ann	Harrisburg
Warrenfeltz, Sara Louise	Sabillasville, Md.

* Graduated as of the Class of June 1955

Honors Conferred, 1956

SUMMA CUM LAUDE

Carlyn Adele Burgard
Helen Anne Fielder
Aron Baer Fisher

Carla Jane Hasenritter
John Wesley Weigel, II

MAGNA CUM LAUDE

Marvin Donald Abrams
Lee Wilmer Baric
Karl William Goosman, Jr.

Carolyn Menin Hoppe
Mary Lou Rohrbaugh
Theodore Sky

CUM LAUDE

Elizabeth Ann Baird
Barbara Lee Boffemmeyer
Kenneth Earl Dietrich, II
Catherine Farquharson

Joan Howell Jones
Elizabeth Anne Lusby
John Anthony Matta
Ingrid Margot Reinhold

HONORS IN SPECIAL DEPARTMENTS

Aron Baer Fisher (Chemistry)
Karl William Goosman, Jr. (German)
Carolyn Menin Hoppe (French)
John Mathias Kohlmeier, Jr. (Economics)
Alan Sharfsin Kramer (Political Science)
Elizabeth Anne Lusby (Sociology)
John Anthony Matta (English)
Theodore Sky (English)

SENIOR SOPHISTER, 1956-1957

Robert Lewis Simons

JUNIOR SOPHISTER, 1956-1957

Doris Anne Weigel

ELECTED TO PHI BETA KAPPA

Marvin Donald Abrams
Lee Wilmer Baric
Carlyn Adele Burgard
Helen Anne Fielder
Aron Baer Fisher
Karl William Gossman, Jr.

*Carla Jane Hasenritter
Carolyn Menin Hoppe
Mary Lou Rohrbaugh
Theodore Sky
*John Wesley Weigel, II

* Elected February 1956

COMMISSIONED SECOND LIEUTENANTS USAR 1956

**Robert A. Ackroyd	Infantry
Donald P. Allegretto	Ordnance Corps
Frederick L. Barton	Artillery
*Paul F. Bolam	Signal Corps
Dean J. Bennett, Jr.	Corps of Engineers
Barry D. Brown	Medical Service Corps
Warren F. Dedrick	Artillery
Fred D. Giles	Infantry
William S. Hudson	Artillery
*Jerry M. Johnston	Adjutant General's Corps
John M. Kohlmeier, Jr.	Artillery
Alan S. Kramer	Military Intelligence
Kenneth W. MacGregor	Medical Service Corps
Donald A. Mawby	Infantry
***Clifton M. Murphy	Infantry
Mark E. Orton, Jr.	Armor
***Jerome L. Popkin	Signal Corps
***Hillel Schwartz	Infantry
Edwin E. Smith	Transportation Corps
Robert F. Smith	Infantry
*****John B. Swift	Infantry
*Walter B. Thompson	Adjutant General's Corps
Robert L. Wilkinson	Adjutant General's Corps
Raymond E. Zickel	Infantry

* Commissioned September 1955

** Commissioned January 1956

*** Commissioned July 1956

**** Commissioned September 1956

***** Commissioned August 1956

ROTC AWARDS, 1956

THE JOHN DICKINSON SABER AWARD

John M. Kohlmeier, Jr.

THE ASSOCIATION OF THE U. S. ARMY AWARD

Clifton M. Murphy

THE SOJOURNERS AWARD

Alan S. Kramer

THE CHICAGO TRIBUNE AWARDS

Senior First Prize (Gold)	William S. Hudson
Senior Second Prize (Silver)	Fred D. Giles
Junior First Prize (Gold)	Kenneth R. Short
Junior Second Prize (Silver)	Francisco Campanelli

THE SONS OF THE AMERICAN REVOLUTION ROTC MEDAL AWARD

Ned Bosnick

HONORS CONFERRED

135

DEGREES CONFERRED BY THE COLLEGE

SPECIAL CONVOCATION*

September 12, 1956

HONORIS CAUSA

Albert Holland Doctor of Divinity

SPECIAL CONVOCATION

October 23, 1956

HONORIS CAUSA

William Bell Dinsmoor Doctor of Archeology

* Degree conferred at Ninth World Methodist Conference at Lake Junaluska, North Carolina

Register of Students

STUDENTS FROM OUTSIDE THE UNITED STATES

Dickinson College each year welcomes a number of students from outside the United States. Those who are on the campus for the year 1956-1957 include:

Ambacher, Jane L.	Havana, Cuba
Asato, Hajime	Kitanakagusuku, Okinawa
Avakian, Yoorik S.	Tehran, Iran
Bond, Carole R.	Aruba, Netherlands, Antilles
Chun, Chu Hwa	Seoul, Korea
DePass, Ronald H.	San Jose, Costa Rica
Kabayama, Noritsugu	Oisco, Kanadawa, Japan
Lim, Richard	Singapore, Malaya
Orlich, Ricardo	San Jose, Costa Rica
Palmer, John F.	Havana, Cuba
Wickman, Caroline J.	Fort Amador, Canal Zone

Register of Students

SENIORS

Andersen, Patricia	Hyde, Md.
Anderson, Barbara C.	Towson, Md.
Anderson, Jean E. Longcope	Cheltenham
Auman, Theodore C. III	Wyomissing
Badenhoop, Robert E.	Carlisle
Bailey, Robert L.	Asbury Park, N.J.
Baker, Paul W., Jr.	Haddonfield, N.J.
Banks, Bernard C., Jr.	Harveys Lake
Batt, Marwin A.	Philadelphia
Beatty, William C.	Wallingford
Bennett, Gordon C.	Haddon Heights, N.J.
Bidden, Diana G.	Barrington, R.I.
Biscontini, Richard J.	Kingston
Borus, Mark A.	New York, N.Y.
Broeske, Blanche C.	Montgomeryville
Brown, Ronald A.	Pittsburgh
Brown, Shirley Ann	Medford Lakes, N.J.
Buckler, Wende	Baltimore, Md.
Burgess, I. Virginia	Millville, N.J.
Burrowes, Robert D.	Birdsboro
Cammann, Jane L.	Summit, N.J.
Campanelli, Francisco	S. Plainfield, N.J.
Carpenter, Nancy L.	Glyndon, Md.
Cassel, Jack H.	Hershey
Chun, Chu Hwa	Cambridge, Mass.
Cleveland, Margaret F.	Kensington, Md.
Cocks, Virginia B.	Lansdowne
Colbus, Lowell	Altونا
Crawford, William A.	North Syracuse, N.Y.
Deeney, Edward J., Jr.	Harrisburg
Denslow, Marjorie	Pittsburgh
Derr, Margaret G.	River Forest, Ill.
Dhuy, Ronald J.	Woodhaven, N.Y.
Dillman, Alvin E., Jr.	Glenshaw
Dils, Arthur K.	Harrisburg
Eisenstat, Gerald M.	Bridgton, N. J.
Elderdice, Elizabeth N.	Westminster, Md.
Epstein, Gerald N.	Brooklyn, N.Y.
Eshelman, Patricia A.	Paradise
Fenstermacher, Willard B.	Souderton
Ferrone, Charles A.	West Orange, N.J.
Fischer, Carole L.	White Plains, N.Y.
Flynn, Jane B.	Sudbury, Mass.
Forney, Joyce E.	Carlisle
Forsyth, James I., Jr.	Avon-by-the-Sea, N.J.
Friedrich, Pauline R.	Long Branch, N.J.

Gadd, Mary S. Cockeysville, Md.
 Gallagher, Joan D. Short Hills, N.J.
 Garrott, Ruth L. Baltimore, Md.
 Gayner, Lewis F., Jr. Salem, N.J.
 Geraghty, Patrick G. New York, N.Y.
 Gibbons, Miles J. Camp Hill
 Gilbert, Edward R. Sharon
 Gladfelter, H. Robert Glen Rock
 Gleason, Robert D. Johnstown
 Glick, Ira D. Lyndhurst, N.J.
 Gould, John H. West Hazelton
 Graham, Richard L. McKeesport
 Green, Nora C. Carlisle

Hamilton, Frederick W. Beaver Falls
 Hauff, Edmund G. Allentown
 Hetherington, Thomas A. Ruxton, Md.
 Hirshorn, Murray E. Camden, N.J.
 Holz, Richard L. Pittsburgh
 Houpt, William H. Levittown
 Hurd, M. Lois Philadelphia
 Hurley, Robert W. Elberon, N.J.

Johnson, Edith M. Auburndale, Mass.
 Johnson, Mae E. Wynnnewood
 Johnson, R. Carol Highland Park, N.J.
 Jordan, Phyllis T. Carlisle

Kabayama, Noritsugu Kanagawa, Japan
 Keen, William P. Harrisburg
 Kelley, Nancy M. Philadelphia
 Kelso, Robert J., Jr. Souderton
 Kendall, Elson P. Linden, N.J.
 Kertland, Owen A., Jr. Carlisle
 Kessler, Carl P. Yeadon
 Killcoyne, William Philadelphia
 Kline, Barbara James Philadelphia
 Knepley, David W. Cynwyn
 Koontz, Robert C. Littlestown
 Kovnat, Paul J. Philadelphia

Lanius, Edward W. York
 Ledgard, Harry A. McKeesport
 Leidy, Gwen E. New York, N. Y.
 Levine, Benjamin I., Jr. Altoona
 Lewis, Jane York
 Linde, Phyllis J. Towson, Md.
 Llewellyn, Don W. Summit Hall

Mackes, French D. Dover, Del.
 Mahood, Gordon L. Butler
 Mandel, Joan T. Turtle Creek
 Maquilkien, William A. Johnstown
 Martin, Elizabeth Polley Crawfordville, Ind.
 Martinelli, George E. Landisville, N.J.

Matthews, William, Jr.	Philadelphia
May, Mark	Philadelphia
Miller, John W., Jr.	Philadelphia
Miniclier, Christopher C.	McLean, Va.
Morgan, Leslie E.	Dickson City
Moser, Gwendolyn	Bloomsburg
Myers, David M.	Frackville
Myers, Robert E., Jr.	Sea Girt, N.J.
Nashel, Howard M.	West New York, N.J.
Neff, Margaret A.	Rockville Centre, N.Y.
Neide, Anne	Jenkintown
Newton, Elsie J.	Philadelphia
Page, Robert W.	Pennsauken, N.J.
Painter, Thomas M.	Idaho Falls, Idaho
Palmer, John F.	New York, N.Y.
Palzer, Eunice L.	Douglaston, N.Y.
Palzer, Warren P.	Douglaston, N.Y.
Patrick, Margot A.	Camp Hill
Pinkerton, Judith A.	Pottstown
Powers, Sherwood L.	Sinking Spring
Pugliese, Sebastian C.	Pittsburgh
Reichle, Elizabeth P.	Philadelphia
Rietz, Charles A., Jr.	Westfield, N.J.
Ritter, Rodger L.	New York, N.Y.
Robbins, Terrance J.	Altoona
Roberts, Joyce B.	Rahway, N.J.
Rosenberg, Malcolm P.	Philadelphia
Rothermel, Joanne	Norristown
Routch, James S.	Hastings
Rumberger, Andrew D.	Harrisburg
Safer, Jan N.	Philadelphia
Samoilovich, Nina	Rahway, N.J.
Sanford, Mary L.	Williamsport
Schatz, Norman J.	Cheltenham
Schwartz, Laurence M.	Philadelphia
Seeburger, Richard H.	Abington
Seewald, Frederick S., Jr.	Linden
Shavelson, Edward C.	Ventnor City, N.J.
Shiery, Howard C.	Carlisle
Shoppell, R. Michael	West Lawn
Short, Kenneth R.	Harrisburg
Shuman, Richard F.	Allentown
Silverman, Louis P.	Altoona
Silverstein, Herbert	Philadelphia
Simmons, Patricia	Richmond Hill, N.Y.
Simons, Robert L.	Philadelphia
Singdahlsen, Robert E.	Westfield, N.J.
Skeel, David A.	Chadd's Ford
Slacum, Robert S.	Glenside
Smith, Gary A.	Wellsboro
Smith, Joseph A.	Carlisle
Spangler, Elizabeth J.	York

Spencer, Stanley L. Newville
 Spero, Gary N. Great Neck, N.Y.
 Sprechman, Lewis Fair Lawn, N.J.
 Stark, William L. Lemoyne
 Steinwald, Lee S. Baltimore, Md.
 Sterner, Gary W. Hanover
 Stouffer, Gilbert F. Camp Hill
 Stromberg, Donald H. Chester
 Swift, Warren B. Eatontown, N.J.
 Szaban, Wanda G. Baltimore, Md.

Tafel, Richard H., Jr. Narberth
 Thomas, Gladstone R. Plymouth
 Thomas, Raymond W. York
 Thompson, William R., Jr. Waynesburg
 Tompkins, Robert R. Philipsburg

Wagaman, Benjamin F., Jr. Waynesboro
 Ware, Carol Shiloh, N.J.
 Waterman, William R. Salisbury, Md.
 Weber, Richard B. Bloomfield, N.J.
 Weidner, Patricia A. Merchantville, N.J.
 Welker, Margaret H. Marysville
 Wickman, Caroline J. Ft. Amador, Canal Zone
 Williams, W. Alan Minersville
 Winchester, Richard C. Wilmington, Del.
 Womsley, James H. Pittsburgh
 Woodburn, Robert O. Arlington, Va.
 Woodside, Robert J. Millersburg
 Woodward, V. Wayne Kennett Square

Young, John P. York

Zeitzeff, Ronald M. Chester

JUNIORS

Adams, Ward Camp Hill
 Alderfer, Evan B., Jr. Drexel Hill
 Altaker, Lawrence L. Collingswood, N.J.
 Arking, Robert Atlantic City, N.J.
 Asato, Hajime Harrisburg

Bair, Harvey E. Williamsport
 Barnes, Walter, Jr. Philadelphia
 Barr, Thomas C., Jr. Claymont, Del.
 Bartoli, Mario R. Carlisle
 Bayler, Loren F. New Cumberland
 Berger, Norman G. Bristol
 Bergman, Jettie L. Pittsburgh
 Bergquist, Barbara E. Carlisle
 Bertolini, Vincent A. Wayne
 Biddle, B. Anne Watsontown
 Black, William E. Palmyra

Bloom, Fred E.	Bellefonte
Bloss, Elizabeth A.	Hazleton
Boyer, Anne	Johnstown
Bradley, Katharine S.	Port Washington, N.Y.
Brandenburg, Karen D.	Baltimore, Md.
Brasler, Robert M.	Philadelphia
Brockelbank, M. Cade	Newtown
Brown, Nancy J.	Wayne
Brown, Paul C.	Lancaster
Bruce, Agnes H.	Havertown
Buirkle, Lillian J.	Park Ridge, N.J.
Byron, Leo C.	York
Carpenter, M. Carolyn	Johnstown
Carter, Jacqueline A.	Mt. Holly Springs
Clark, Leo E.	Westfield, N.J.
Compton, Meredith A.	Linglestown
Conrad, Frederick L.	Sunbury
Corey, William S.	Baltimore, Md.
D'Esposito, Janet C.	Asbury Park, N.J.
Dougherty, J. Robert	New Bloomfield
Ebner, George H.	Harrisburg
Evans, Harry W., Jr.	Mt. Lakes, N. J.
Ewing, F. James	Oreland
Farquharson, Diane	Washington, D.C.
Finkey, Gwendoline M.	Lemoyne
Focht, John C.	Shillington
Fox, James P.	Norristown
Freeman, Albert D.	Harrisburg
Frehn, John L.	Harrisburg
Fried, Bernard L.	Harrisburg
Gaither, Herbert	Cumberland, Md.
Gardner, Robert C.	Wilmington, Del.
Gerber, Paul H.	Summit Hill
Gery, Philip C.	Wyomissing
Gilpin, John B.	Marysville
Grael, Joyce R.	Towson, Md.
Greensides, Mary C.	Short Hills, N. J.
Greer, Connie A.	New Kensington
Hankins, Kenneth E.	Carlisle
Hanna, Linda	Valencia
Hansell, Susan M.	Swarthmore
Hartman, Carl O.	Pennington, N. J.
Harvey, Rodney R.	Wilmington, Del.
Heck, William H.	Dauphin
Heine, Jean L.	Shillington
Herr, Philip C., II	Lansdowne
Herrmann, Christine A.	Springfield
High, Ronald C.	Washington, D. C.
Hilgedick, Claire	Arlington, Va.
Hiltner, Carol J.	Harrisburg

Hollinger, James L.	Littlestown
Holt, Jean C.	Fair Haven, N. J.
Holz, Jane M.	Harrisburg
Horner, Leon I.	Bridgeton, N. J.
Hough, Peter M.	Somerville, N. J.
Howarth, Benjamin, III	Glenside
Hummel, Cleveland C.	Bloomsburg
Hyman, Richard N.	Baltimore, Md.
Jacobson, Joel J.	Cumberland, Md.
Jones, Edward F., III	Philadelphia
Jopson, Leslie H.	Bridgewater, Pa.
Joyce, Jerry H.	Glassboro, N. J.
Kaminski, Francis S.	Mt. Carmel
Kaplan, Robert D.	Philadelphia
Kendall, Francis M.	Linden, N. J.
Keuch, Sylvia H.	Carlisle
Kienzle, George E.	Nanticoke
Kline, Robert C.	West Lawn
Kosove, J. Anthony	Philadelphia
Kottcamp, Jean A.	Marietta
Lane, Ronald R.	Philadelphia
Levitt, Morton P.	Brooklyn, N. Y.
Lintner, Alfred C.	Haddon Heights, N. J.
Little, Pearl E.	Ocean Grove, N.J.
Lush, Norman P.	Audubon, N. J.
McGee, Glenn T.	Williamsport
Marcus, Mark	Vineland, N. J.
Mayer, Arthur C., Jr.	Mount Joy
Mentzer, Nancy E.	McConnellsburg
Miller, Carl W.	Pittsburgh
Miller, Daren L.	Lewisberry
Miller, Kay F.	Bridgeton, N. J.
Miller, Norman D.	Ventnor, N. J.
Mimm, Hilma W.	Wynnewood
Mohler, Barbara B.	Ardmore
Morris, John F., Jr.	North Wales
Mulholland, S. Grant	Wynnewood
Norris, Ralph B.	New Milford
O'Neill, Don	Baltimore, Md.
Otto, Wilbur M.	Wexford
Palmer, Suzanne H.	Ridley Park
Parker, Robert S.	Kingston
Parkins, C. Richard	Roscoe
Parlin, Harold S.	Margate City, N. J.
Paul, Inge L.	Bellport, N. Y.
Pennewill, Wilbur Z.	Carlisle
Phillips, Ann L.	Lancaster
Platts, Jane	Collegeville
Pullis, Lou B.	Binghamton, N. Y.

Rambo, Sylvia H. Carlisle
 Razzano, Joseph J. Bradford
 Richardson, Betty J. Silver Spring, Md.
 Riley, John D., IV Savannah, Ga.
 Roberts, Brenda N. Highland Park, N.J.
 Roberts, Peter J. Mamaroneck, N. J.
 Rodriquez, Fernando Rego Park, N. Y.
 Rogers, William E. Carlisle
 Roschy, D. Adrian Carlisle
 Rose, Samuel G. Baltimore, Md.

Sandercock, Walter L. Pen Argyl
 Saunders, Anne L. Bridgeville
 Schaefer, L. Frederick, Jr. Carlisle
 Schafer, Dick T. Collingswood, N.J.
 Seewald, J. Ronald Linden
 Seidel, Carole S. Wilmington, Del.
 Shaffert, Charles F. Philadelphia
 Shanaman, Richard H., Jr. Crown Point, Ind.
 Sharp, Peter J. Carlisle
 Shiner, Patricia A. M. Allentown
 Shoun, Carolyn S. Oxford
 Sieck, Margaret L. Millville, N.J.
 Slyman, Dennis J. Greensburg
 Smith, John B. Jersey Shore
 Smith, S. Carol Baltimore, Md.
 Solomon, William V. Arlington, Va.
 Spangler, Leonard E. Margate, N.J.
 Steele, Mildred R. Duncannon
 Steinberg, J. Arthur Wyncote
 Stepler, P. Frederic St. Thomas
 Stetts, Joseph J., II Williamsport
 Stott, Phillip B. Rosemont
 Strickler, Robert M. York

Tantum, Kermit R. Deans, N.J.
 Taylor, Robertson B. Bethlehem
 Thomas, Barbara J. East Greenbush, N.Y.
 Thompson, Donald C. Toms River, N.J.
 Townsend, Patricia A. Denton, Md.
 Toy, Herbert J. Chadds Ford
 Trunzo, Francis J., Jr. Punxsutawney
 Turner, Sandra R. Chester

Ultan, Roslye R. Carlisle
 Urbanski, Frank X. Perth Amboy, N.J.

Van Deusen, Richard E. Plainfield N.J.
 Van Olst, Marion G. Hawthorne, N.J.
 Vovakis, James Carlisle

Walker, Thomas W. Harrisburg
 Warfield, Monica C. Rockville, Md.
 Watson, Robert A. Annapolis, Md.
 Watt, John E. Oxford

Weaver, Raymond G.	Altoona
Weigel, Doris A.	Carlisle
Werner, Doris L.	Drexel Hill
Wiest, Peter V.	Springfield
Wilder, Jeanne L.	Lebanon
Wiley, John, Jr.	Westfield, N.J.
Wolford, Virginia M.	Reading
Wood, Donald P.	Eldred
Woodruff, David A.	Springfield

SOPHOMORES

Adams, Russell B., Jr.	Silver Spring, Md.
Adnopo, Efrim	Hamden, Conn.
Aitcheson, Jane E.	Martinsburg, W.Va.
Albert, J. Carolyn	Fort Monmouth, N.J.
Alley, Elaine E.	Berwick
Altman, Martin	Hurleyville, N.Y.
Ambacher, Jane L.	Havana, Cuba
Andrick, Nancy L.	Fort Monroe, Va.
Armacost, Robert W.	Baltimore, Md.
Awad, Mary E.	Tenafly, N.J.

Bachman, Charles R., Jr.	Wayne
Baker, Vaughn A.	Painted Post, N.Y.
Balwin, Guy M., Jr.	Laporte
Balick, John F.	Valley Stream, N.Y.
Bardsley, Elizabeth	Rye, N.Y.
Barndt, Marcia G.	Wyomissing
Barranger, John J., Jr.	Springfield
Bartoli, Adrienne L.	Carlisle
Bast, Douglas G.	Boonsboro, Md.
Belth, Don	New York, N.Y.
Benedik, Barbara A.	Milltown, N.J.
Benner, Claude H.	Coatesville
Bernstein, George H.	Pikesville, Md.
Black, Edward	Philadelphia
Block, Richard R.	Philadelphia
Bohi, Robert Y.	Baltimore, Md.
Bosnick, Ned	Pittsburgh
Bowen, Mary A.	Philadelphia
Bradford, A. Irving	Newport, N.J.
Bukowitz, Daniel	Baltimore, Md.
Bunyan, Mary W.	Highland Park, N.J.

Cappello, Arthur	North Haledon, N.J.
Carlton, Jack W.	Punxsutawney
Carney, Jay N.	Baltimore, Md.
Carver, Joseph B.	Beaver
Charles, Robert D.	Harrisburg
Chase, Ralph E.	Easton
Chiarello, Robert V.	Brooklyn, N.Y.
Chigounis, Anthony C.	Merchantville, N.J.
Ciesielka, Julius J., Jr.	Philadelphia
Claster, Joel A.	New Kensington

Clements, R. Scott Windsor, Conn.
 Cochrane, James G., Jr. Carlisle
 Cohen, Peter C. Scarsdale, N.Y.
 Cohen, Richard D. Margate, N.J.
 Connor, J. Eugene W. Wilkes-Barre
 Cook, Robert E. Laurel, Md.
 Coston, Willis D. Scranton
 Cowling, Anita L. Bethlehem
 Culley, Caroline L. North Brunswick, N.J.
 Cummings, Leta E. Camp Hill

Davis, John R. Reading
 Davis, Robert M. Wilmington, Del.
 Davis, W. Fell, Jr. Federalsburg, Md.
 DeMarino, Thomas J. Greensburg
 DePasquale, Sam C. Pittston
 DePass, Ronald H. Costa Rica, C.A.
 Der, May Carlisle
 Dornin, Marcia Washington, D.C.
 Dorsey, Carol S. Phoenix, Md.
 Duel, Arthur B. III Southport, Conn.

Eames, Robert F. Yardley
 Eberly, A. Daniel Lancaster
 Edwards, Nancy J. Harrisburg
 Egolf, Kenneth L. Carlisle
 Eisenlohr, Barbara E. Arlington, Va.
 Eisenstein, Abraham S. Jackson Heights, N.Y.
 Evert, Constance B. Riverton, N.J.
 Ewell, David S. Towson, Md.

Falconer, Bruce F. Trenton, N.J.
 Faunce, Robert E. Philadelphia
 Feroe, Nelson S., Jr. Ephrata
 Flack, Judith A. Woodbury, N.J.
 Foerster, Jerome T. Dauphin
 Fonde, Mary L. Houtzdale
 Ford, David M. Baltimore, Md.
 Foster, Patricia J. Red Lion
 Fowler, Nancy M. Carlisle
 Frankhouser, Lemar R. Terre Hill
 Frey, Evan C. Lansdowne
 Fullerton, William D. Herminie

Gardner, Edward F. Wallingford
 Gardner, Jack H. Pittsburgh
 Gardner, Michael R. Harrisburg
 Gerlach, Walter P. Lexington, Ky.
 Gill, Carolyn C. Ruxton, Md.
 Gillum, David F. Glenside
 Gilmour, F. L. Patton Swarthmore
 Glass, Lionel Philadelphia
 Goldberg, Richard M. Kingston
 Gompf, Dorothy E. Baltimore, Md.
 Gordon, Robert Reading

Gordon, Ruth M. Lancaster
 Gottschall, Everett E. Ambler
 Gourley, Carolyn B. Lancaster
 Graden, Susan M. West Covina, Cal.
 Graff, Sharon Scarsdale, N.Y.
 Greenhut, Philip H. S. New Rochelle, N. Y.
 Griggs, Paul D. Upper Darby
 Grimison, Esther M. Huntingdon
 Grove, David L. Johnstown
 Gruver, Elmer J., Jr. Shippensburg

Hammatt, Linda H. York
 Hangen, Barbara L. Reading
 Hatfield, A. George Jr. Carlisle
 Hellman, Sue E. Great Neck, N. Y.
 Hitchens, William R. Jr. Wilmington, Del.
 Hooff, L. Ann Washington, D. C.
 Hornstein, Howard B. N. Y., N.Y.
 Hubscher, Earl M. Trenton, N. J.
 Humes, Walter W. Tarentum
 Huyett, Scott L. Laureldale

Jackson, James A. Plandome, N. Y.
 James, M. Leslie Athens, Ga.
 Johnson, Stockton G., Jr. Jenkintown
 Jones, Edward J. Newark, N.J.
 Jones, Henry C. Pottsville

Kellerman, Alan Atlantic City, N. J.
 Kennedy, Elizabeth R. Scarsdale, N. Y.
 Kenney, James A. III Salisbury, Md.
 Kerr, Terrance W. Swarthmore
 Kittredge, Sally L. Baltimore, Md.
 Klansek, Joyce B. Scranton
 Klein, Joseph A. Harrisburg
 Kollas, Helen C. Carlisle
 Kring, Nancy J. Reading
 Klup, Jonathan B. Norristown

Laird, F. Judson, III Moylan
 Landry, Wayne C. Bangor
 Laning, E. LuAnn Toms River, N. J.
 Lash, Ronald A. Fort Lauderdale, Fla.
 LeBow, Jay A. Merchantville, N.J.
 Lemkau, Ann R. Staten Island, N.Y.
 Lemons, Nancy M. Oxford
 Leppo, David L. Hampstead, Md.
 LeVan, Joan M. Sellersville
 Lindenmuth, Paul F. Baltimore, Md.
 Linton, Charles H. Havertown
 Liu, Allan J. New York, N.Y.
 Livezey, George K. III Aberdeen, Md.
 Livingston, Martin E. S. Brooklyn, N.Y.
 Lober, John C. Linwood
 Lockwood, Donald M. Norwalk, Conn.

Lockwood, Roy H. Silver Spring, Md.
 Lord, John W. III Philadelphia
 Lotke, Paul A. Melrose Park
 Lovejoy, Barbara S. Little Silver, N.J.

McBath, Patricia L. Westwood, N.J.
 McCarty, Carol L. Mechanicsburg
 McElrath, Charles D. Nescopeck
 McGavic, Derrick E. Bryn Mawr
 McGonigle, Meredith A. Sinking Spring
 McKeever, JoAnne New Kensington
 McKinney, J. Bruce Butler
 McMullen, Margaret A. Baltimore, Md.
 Marcus, Norman R. New York, N.Y.
 Martin, Kenneth R. Drexel Hill
 Martin, Mary R. Basking Ridge, N. J.
 Matson, Victor I., Jr. Fort Meade, Md.
 Matyjaszek, Jack Philadelphia
 Maurer, Emil G., Jr. Greenville, Del.
 Merrifield, Allan V. York
 Miele, Joseph R. Williamsport
 Milligan, Judith A. Avon, N.J.
 Moore, Thomas L., Jr. Oakmont
 Moran, Nancy J. Voorheesville, N.Y.
 Moser, Mary L. Bloomsburg
 Mull, William H. Williamsport
 Murray, Susan D. Endicott, N.Y.
 Myers, Frances E. Temple

Naditch, Ronald M. Baltimore, Md.
 Nehmad, Leon Ventnor, N.J.
 Norton, Frederick C. Silver Spring, Md.

Offerman, Stephen E. Great Neck, N.Y.
 Olewiler, H. Newton Bethlehem
 Oram, Reginald S. Berwick

Pappas, James N. Harrisburg
 Parkins, Janet E. Berwyn
 Peer, Alfred K. Short Hills, N.J.
 Phillips, Cynthia J. Freeport, N.Y.
 Potts, John H. Havertown
 Pusey, George K. Avondale
 Rademan, Alan N. Philadelphia
 Reader, Jane E. Carlisle
 Reddicks, Cora L. Bluefield, W.Va.
 Reed, W. Creighton, Jr. Strafford-Wayne
 Richards, Thomas W. McKeesport
 Robinson, Arlene P. Laconia, N.H.
 Rodman, Carol L. Hanover
 Rogers, Sarah E. Norristown
 Roney, Denise M. Carlisle
 Roth, Stephen J. New Brunswick, N.J.
 Rubin, Kenneth J. Jamaica, N.Y.
 Rudolph, Jill L. Arlington, Va.

Savage, Allen R.	Chester
Scarborough, John M.	Churchville, Md.
Schwalm, Janet E.	Pottsville
Seewald, Ann L.	Linden
Shafer, David A.	Hazleton
Shapley, Robert E.	Peoria, Ill
Sharp, Ronald G.	Carlisle
Sheard, A. Alexander	Media
Shepherd, John W.	Philadelphia
Sheridan, William J.	Nanticoke
Shipman, F. Lee	Nanticoke
Shippen, Elizabeth B.	Winter Park, Fla.
Shumaker, John L., Jr.	Harrisburg
Silber, Richard J.	Bristol
Simpson, Charles H.	Miquon
Skarlatos, Angelo	Baltimore, Md.
Slater, Albert H., III	Pittsburgh
Slomin, Bruce D.	Roosevelt, N.Y.
Small, Joseph W.	Wilmington, Del.
Smith, Alan M.	Silver Spring, Md.
Smith, James R.	Turtle Creek
Smith, William T.	Harrisburg
Sook, Barbara A.	Bala-Cynwyd
Spahr, Christian C. F., Jr.	Rosemont
Spangenberg, George W.	Port Jervis, N. Y.
Stafford, John R.	Elizabeth, N.J.
Statler, Sandra G.	Oil City
Stefanon, Ernest A.	Herminie
Stetser, Greta	Woodstown, N.J.
Stevens, Albert J.	Georgetown, Del.
Storer, Robert T.	Purdys Station, N.Y.
Surrick, R. Barclay	Swarthmore
Teitelman, Edward A.	Philadelphia
Templeton, Pamela B.	Florham Park, N.J.
Test, Donald R.	Narberth
Totman, Joanne S.	Linthicum, Md.
Updegraff, William E.	Williamsport
Valenti, John T., Jr.	Wilkes-Barre
Van Arsdale, Jan W.	Tamaqua
Vedder, Christina S.	York
Wachter, David A.	Hagerstown, Md.
Wade, James P., Jr.	Randallstown, Md.
Wagner, E. Reginald	Mt. Holly Springs
Walker, David T.	Norristown
Wallace, Bruce A., Jr.	Merchantville, N.J.
Weber, Nancy L.	Fort Riley, Kans.
Weiss, Norma S.	Harrisburg
Wert, Franklin D., Jr.	Camp Hill
Wessels, August H., Jr.	Carlisle
Williams, Martha H.	Stroudsburg
Wilson, Beverley B.	North Wales

Wilson, Donna H. Liberty, N.Y.
 Witmer, James L. Carlisle
 Witting, William C. Long Branch, N.J.
 Wood, Leonard A. Camp Hill
 Worthington, Robert A. Pittsburgh
 Wright, Thomas D. Fombell

Yaverbaum, Jane Harrisburg
 Youmans, John S. West Hartford, Conn.
 Young, Robert E. Harrisburg

Zisman, Leonard Atlantic City, N.J.
 Zubrin, Jay R. Camden, N.J.
 Zukerman, Harvey J. Philadelphia

FRESHMEN

Akhurst, Homer W., Jr. Pearl River, N.Y.
 Albright, James L. Neffsville
 Alderfer, Nancy J. Drexel Hill
 Amundsen, Arthur R. Philadelphia
 Asch, Joan S. Wesbury, N.Y.
 Avakian, Yoorik S. Tehran, Iran
 Ayers, David Wilkes-Barre
 Azin, Doris A. Elmhurst, N.Y.

Baker, William L. Middletown
 Barna, Kyra A. Monongahela
 Barner, Ann C. Baden
 Barnshaw, Robert W. Merchantville, N.J.
 Bartges, David W. Wilmington, Del.
 Bass, Herbert Pleasantville, N.J.
 Bass, Myles L. Camden, N.J.
 Bauer, Thomas L. York
 Beaver, Albert H., Jr. Ridgway
 Beck, Judith T. Washington, D. C.
 Bell, Deanne M. Harrisburg
 Bendell, Alfred S. III Hagerstown, Md.
 Bitner, Richard L. Carlisle
 Boehm, Casper P. Sewaren, N.J.
 Bomgardner, Larry J. New Cumberland
 Bond, Carole R. Aruba, Netherlands, Antilles
 Booth, David L. Middleburg, Va.
 Borrelli, Frank J., Jr. Yonkers, N.Y.
 Borgstede, Margaret E. Lynbrook, N.Y.
 Boyer, Kay J. Manistee, Mich.
 Breen, Donald A. McKeesport
 Brotman, Stephen L. Atlantic City, N.J.
 Brown, Charles R. Dunellen, N.J.
 Browne, Betty S. Lancaster
 Browning, Robert P. Dalton
 Buchanan, Sherman W. Mapleton Depot
 Buckwalter, Robert K. Lancaster
 Bupp, David W. York

Caffrey, John R. Wilmington, Del.
 Capper, Daniel S. McLean, Va.
 Chantry, Walter J., Jr. Philadelphia
 Cheesman, W. Thomas III Scottsdale
 Clair, Joseph R. Hancock, Md.
 Clark, William H., Jr. Pittsburgh
 Clarkson, Sally V. Towson, Md.
 Collins, Alexander T., III Greensburg
 Conway, Roger T. Drexel Hill
 Cordner, Joseph, Jr. Camden, N.J.
 Coutant, Robert W. Briarcliff Manor, N.Y.
 Crawford, Robert W., Jr. Philadelphia
 Crayton, Jon R. Kingston
 Cross, Nancy H. Norristown
 Crowley, Marjorie J. Hatboro
 Curley, John J., Jr. Easton

Davis, Donald W. Stamford, Conn.
 Davis, Raymond E., Jr. Clarks Green
 Davis, Wayne J. Philadelphia
 DeArment, Warren E. Burnham
 Deichler, Sandra A. Upper Darby
 Derenzo, Ronald T. Minersville
 Dessureau, Dennis A. Glen Rock, N.J.
 Dietrich, Sallie S. Baltimore, Md.
 DiGioia, Anthony J. Philadelphia
 Doerr, Joan E. Bethesda, Md.
 Druce, Charles J., Jr. Merchantville, N.J.
 Dubrick, William C. Binghamton, N.Y.
 Duncan, H. Scott Wynnewood

Eddy, Bruce C. Trumbull, Conn.
 Edwards, Susan V. Fort Ord, Cal.
 Ekin, John J., III Baltimore, Md.
 Elinsky, Joseph P. Nanticoke
 Esch, Michael D. Mechanicsburg
 Everett, Mary M. Washington, D.C.
 Eves, Judith A. Oakmont
 Ewing, Alison S. Binghamton, N.Y.

Faett, Ronald S. Pittsburgh
 Falvello, Rocco A. Hazelton
 Feinstein, Michael J. Margate, N.J.
 Fisher, Edward J., Jr. Carlisle
 Fitzpatrick, Robert K. Peekskill, N.Y.
 Floyd, James R. Harrisburg
 Flynn, William J., Jr. Drexel Hill
 Fooder, Susan G. Haddonfield, N.J.
 Ford, William C. Trenton, N.J.
 Foster, Ethel B. Maplewood, N.J.
 Fox, Mary F. Haddonfield, N.J.
 Freas, Ann Bethesda, Md.
 Freeman, William A. Shippensburg
 Fulmer, William C., Jr. Bethlehem

Gardner, George F., III	Wilmington, Del.
Gayner, Dottie L.	Salem, N.J.
Gette, Luther W.	Philipsburg
Gilvear, Elaine E.	Philadelphia
Glant, Ira B., Jr.	Lemoyne
Gohn, Sonja R.	Baltimore, Md.
Goldman, Ira K.	Levittown
Gordon, John S.	Chadds Ford
Graham, David	Philadelphia
Graham, Judith M.	Flourtown
Green, Lawrence	Ventnor, N.J.
Greene, Alex B.	St. Clair
Gregory, Jay K.	Latrobe
Griffith, Elizabeth A.	Aldan
Grove, Lorelie A.	Red Lion
Gruhn, Isebill V.	Flushing, N.Y.
Hall, John T., III	Baltimore, Md.
Hall, Elizabeth J.	Titusville
Hallam, Dale O., Jr.	Bridgeville
Hamrick, Sandra L.	Fairfield, Conn.
Hankey, Carl W.	Wilkes-Barre
Harbourt, W. Boyd	Hackettstown, N.J.
Hart, George E.	Rock Glen
Headley, Frederick G.	Carlisle
Heermans, Patience B.	Rumson, N.J.
Heine, Judith L.	Newport
Helfrich, Carol A.	Drexel Hill
Heller, Judith A.	Arlington, Va.
Heller, Richard J., Jr.	Mechantville, N.J.
Henwood, Dorothy E.	Scranton
Hepner, Richard M.	Bridgeton, N.J.
Hetsko, Jacqueline V.	Ridgewood, N.J.
Hewitt, John E.	New Cumberland
Hoadley, William C.	Nichols Trumbull, Conn.
Hobbs, William, III	Lancaster
Hoch, Paul D.	Carlisle
Hollister, Sarah A.	Valley Stream, N.Y.
Haupt, Thomas A.	Levittown
Hoye, Martha J.	Grosse Pointe, Mich.
Hughes, Margaret A.	Wilkes-Barre
Hukill, David G.	Ridgewood, N.J.
Imber, Harold S.	Reading
Ingoglia, Gina H. P.	Forest Hills, N.Y.
Jaeger, John R., Jr.	Baltimore, Md.
James, Benjamin D., Jr.	Carlisle
Jones, Edna H.	Hazleton
Jones, Robert C.	Wayne
Juliard, Claudie A.	Narberth
Jurgens, Barbara J.	Carlisle
Kaas, Jeanne A.	Pottstown
Kean, Ruth E.	Woodbury, N.J.
Kelly, John C.	Bay Shore, N.Y.

Kent, Stephen K., Jr.	Haverford
Keown, Robert H.	Philadelphia
Keyes, Norman R., Jr.	Oaks
Kirk, Delbert T.	Philadelphia
Kirkpatrick, George M.	Winnetka, Ill.
Knuth, Andrew J., Jr.	West Caldwell, N.J.
Kochler, Herbert G.	Bridgeport, Conn.
Krause, Eileen M.	Allentown
Krosney, Neil M.	Margate, N.J.
Kryston, Victor J.	Chester, N.J.
Kurtz, Richard A.	Harrisburg
Lacy, Kenneth B.	Pennsauken, N.J.
Landry, Robert E.	Salem, Mass.
Lawton, Gary E.	Media
Lebo, Nelson F., III	Lambertville, N.J.
Leedy, William R.	Woodbury, N.J.
Leming, Martha A.	Carlisle
Leopold, Marx S.	Elkins Park
Levin, Melvyn G.	Chester
Lewis, Calvin A.	Elmira, N.Y.
Lipsky, William R.	Philadelphia
Lizza, Carl J.	Oyster Bay, N.Y.
Long, Sondra V.	Baltimore, Md.
Loos, Kathleen A.	Carlisle
Lovsnes, Neal W., Jr.	Carlisle
Lyon, Peter M.	Hagerstown, Md.
McCrary, James F.	Carlisle
McGahey, David L.	Philadelphia
McGee, Philip T.	Williamsport
McMillen, Charles J.	Chevy Chase, Md.
Maat, Howard J.	Rensselaer, N.Y.
Mahn, Barbara H.	Delanco, N.J.
Malcolm, Carol Lee	Waterbury, Conn.
Mann, Arnold	Norristown
Mark, Jon R.	Huntingdon
Matus, William L.	Wilkes-Barre
Matuska, Janet L.	Palmerton
Meredith, Samuel E.	Greenwood, Del.
Merlis, George B.	Brooklyn, N.Y.
Merrick, Spencer, III	Baltimore, Md.
Metka, Joseph W.	Enhaut
Miller, Roger E.	West Reading
Minoia, Kenneth P.	Queens Village, N.Y.
Morgan, Roger R.	New Kensington
Moring, Sharon A.	Harrisburg
Mulligan, Edward J., Jr.	Bryn Mawr
Muncaster, Amy K.	Pittsburgh
Mussano, Virginia F.	Monessen
Neubeck, William H. III	Trenton, N.J.
Obermiller, Carol M.	Ambler
Obrecht, Georgia G.	Baltimore, Md.
Orlich, Richardo	Costa Rica, C.A.
Ort, Robert B.	Hackettstown, N.J.

Partlow, Rosa M.	Carlisle
Paxson, Neil B.	Westfield, N.J.
Pell, Jane H.	Pittsburgh
Pence, Robert L.	Brookville
Perkins, Charley A.	Carlisle
Phillips, James W., Jr.	Prospect Park
Phillips, Katherine P.	Baltimore, Md.
Phillips, William M., Jr.	Flourtown
Phipps, Dorothy A.	Williamsport
Pitock, Jordon R.	Philadelphia
Plumhoff, Mary E.	Baltimore, Md.
Pollock, Wayne C.	Baltimore, Md.
Price, Thomas B., Jr.	Beaver
Prosky, Jill J.	New York, N.Y.
Proud, Donald E.	Wilmington, Del.
Purvis, Lucy E.	Fanwood, N.J.
Quirk, John J.	N. Plainfield, N.J.
Reisinger, Letitia A.	Chevy Chase, Md.
Richards, James B.	Plymouth Meeting
Richards, Judy E.	Carlisle
Richardson, Robert D.	Dallas
Rifkin, Gerald B.	Shamokin
Robbins, Jon W.	Harrisburg
Roberts, Donald W.	Baltimore, Md.
Robison, Winifred E.	Mamaroneck, N. Y.
Rogers, Daniel E.	Homestead Park
Ross, John B.	New Kensington
Rowe, Charles A.	Columbus, Ohio
Ryder, Harriet T.	Verona, N.J.
Sanders, Richard J.	Harrisburg
Sands, Frank M.	Arlington, Va.
Schaffer, Charles J.	Glenside
Scheck, Robert M., Jr.	Towson, Md.
Schreadley, William P.	Linglestown
Shafer, Harry E.	Hazelton
Shapiro, Bennett M.	Philadelphia
Shea, Wendy K.	Springfield, Va.
Shedd, Paula M.	Washington, D.C.
Sherwood, John T.	Arlington, Va.
Shick, Blair C., Jr.	Upper Darby
Shuman, John F.	Allentown
Simoni, Judith A.	Cochituate, Mass.
Sinclair, Suzanne S.	Kennett Square
Slifkin, Robert F.	Elkins Park
Smeltz, Allen G.	Sacramento
Smith, Eleanor L.	Baltimore, Md.
Smith, Harold J.	Philadelphia
Sobel, Barbara	Harrisburg
Spector, William I.	West Chester
Sprague, Frances L.	Scarsdale, N.Y.
Spring, Charles M.	Wayne
Stayer, Virginia L.	Downingtown

St. Claire, Margaret E. Washington, D.C.
 Steege, Richard C. Ardmore
 Stellfox, Jean L. Mt. Carmel
 Stephan, Paula Washington, D.C.
 Stinchcomb, Alta L. Baltimore, Md.
 Stine, John D. Villanova
 Stoddard, William G. Woodbridge, Conn.
 Sukenna, Robert E. Minersville
 Supper, Lee R. West Newton, Mass.

Talentino, Thomas F. Chevy Chase, Md.
 Taylor, Jon K. Baltimore, Md.
 Taylor, Michael A. West Orange, N.J.
 Tegtmeier, Merle E. Ruxton, Md.
 Thomas, Edward A. Saint Clair
 Thomas, Margaret J. Lancaster
 Thompson, Peter M. Morris Plains, N.J.
 Trelogan, Robert M. Arlington, Va.
 Tutin, Billie C. Carlisle
 Tuttle, Charles S. Rosemont

Updike, Richard D. Maplewood, N.J.

Ventura, Frank D., Jr. Norristown
 Villa, Orterio J. Berwick
 Vittrup, Muriel H. Arlington, Va.

Wachter, Robert C. Hagerstown, Md.
 Wallack, Maurice Flushing, N.Y.
 Walton, Edna C. Baltimore, Md.
 Ward, Judith A. Princeton, N.J.
 Weigel, Ellen L. Carlisle
 Weiner, Earl D. Baltimore, Md.
 Weller, Willa J. Carlisle
 Wertheimer, Susan E. Larchmont, N.Y.
 Wherly, Carolyn J. Harrisburg
 Whichard, William B. Silver Spring, Md.
 White, Robert A. Havertown
 Whitehouse, Frances E. Vienna, Va.
 Whitney, Carol A. Camp Hill
 Wiley, Jan M. Dillsburg
 Willard, John L. Wyncote
 Williams, David O. Silver Spring, Md.
 Williams, John E., III Lansdowne
 Williamson, Robert G., Jr. Clarks Green
 Wilson, Robert T. Orbisonia
 Wisor, Charles E. Clearfield

Yahraes, John E. Norristown
 Yunker, Judith L. Alexandria, Va.

Zimmermann, William M. Wayne
 Zwally, Charles B. Ephrata

Unclassified

Alexander, Eyca M.	Carlisle
Baker, Richard B.	Aberdeen, Md.
Bowman, Roberta H.	Lemoyne
Boyce, Donald R.	Carlisle
Cashatt, Ivey W., Jr.	Carlisle
Doleman, Robert D.	Carlisle
Elder, John S.	Carlisle
Johns, Julia G.	Carlisle
Killcoyne, Jean H.	Carlisle
Kokolis, Kiki A.	Carlisle
Kookogey, Mary L.	Carlisle
Lerch, Donald P.	Carlisle
Lutz, June B.	Carlisle
Nelson, Roger F.	Carlisle
Remsberg, Eloise	Carlisle
Roschy, Robert B.	Carlisle
Schurmeier, Susan S.	Carlisle
Sharkey, Ruth B.	Carlisle
Smith, Joyce K. L.	Carlisle
Town, Paul F.	Camp Hill
Weimer, Miriam R.	Carlisle

Summer Sessions**Seniors**

Anderson, Sarah W.	Gaithersburg, Md.
Bostock, William	Carlisle
Brasaemle, Margaret A.	Norristown
Getz, Elias L.	Stroudsburg
Lim, Richard	Singapore, Malaya
Lintern, J. Edwin	West Pittston
McCann, Robert J.	Harrisburg
Middleton, Robert J.	Harrisburg
Nast, William	Bloomsburg
Olin, Charles	Carlisle
Popkin, Jerome L.	Trenton, N.J.
Rogers, Clifford A., Jr.	Havertown
Sklar, Barry	Philadelphia
Southard, Harry	Atlantic City, N.J.

Juniors

Ammerman, David S.	Curwensville
Chambers, John	Narberth
Parshall, Dorothy	Secane

Sophomore

Albritton, Jocelyn H.	Carlisle
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Freshmen

Bass, Alma	Carlisle
Bostock, Barbara	Carlisle
Burgoon, Richard	Carlisle
Buyer, Theodore T.	Harrisburg
Chandler, Carson F.	Steelton
Cohen, Gerald	Harrisburg
Cowley, Carol J.	Camp Hill
Davis, R. Neal	Lansdowne
Fried, Robert J.	Harrisburg
Hamma, Edna G.	Mechanicsburg
Hawkins, Elizabeth A.	Camp Hill
Hunter, Patrica A.	Carlisle
Kitner, Patricia	Carlisle
Klepser, C. Patricia	Carlisle
McAdoo, Margaret M.	Carlisle
Moore, James M.	Harrisburg
Ochs, Edwin L., Jr.	Camp Hill
Stoner, Judith A.	Carlisle
Swartz, Sandra A.	Carlisle
Shafer, Lloyd S.	Harrisburg
Wanner, Richard H.	Carlisle
Wimmer, Lewis	Sykesville, Md.
Wrightstone, Ruth	Mechanicsburg
Yaverbaum, Judith	Harrisburg

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